

FUNGI GALLICI

LECTI A CL. VIRIS

P. BRUNAUD, C. C. GILLET, ABB. LETENDRE,
A. MALBRANCHE, J. THERRY & DOM.^a LIBERT *).

RECENSUIT

P. A. SACCARDO

SERIES IV.

Obs. Litt. **B.** indicat cl. P. BRUNAUD et territorium Santonense, *Saintes* (ubi aliud non indicetur); **G.** indicat cl. C. C. GILLET et territorium Alentionense, *Alençon*; **L. & M.** indicant cl. ABB. LETENDRE & A. MALBRANCHE et territorium rothomagense, *Rouen*; **T.** indicat cl. J. THERRY et territorium lugdunense, *Lyon*; **Lb.** postremo indicat Dominam A. LIBERT et territorium malmédiense, *Malmedy* (Provinc. Rhenan.).

Debitum gratumque est mihi officium gratias agendi Amico præclaro Doct. O. PENZIG, qui multam horum fungorum partem microscopio exploravit, iconibusque illustravit. Speciebus novis, ipso adjuvante descriptis addita sunt nomina *Sacc.* & *Penz.*

Hymenomycetæ

1621. *Lenzites sepiaria* (Wulf.) Fr. — In trabibus (**L.** 5).
1622. *Lentinus lepideus* Fr. — Ad ligna pinea (**L.** 1). — Pileo convexo, crasso, subligneo, lamellis serratis tenacibus mox dignoscenda species.
1623. *Agaricus* (*Mycena*) *capillaris* Schum. — In fo-

*) Species Libertianas jam recensui, adjuvante amicissimo Rouméguere. in ejusdem *Revue Mycologique* 1881, N. 11, p. 39-59, t. XIX-XX. Hic species tantum enumeravi, quæ desunt in Seriebus meis I-III «Fungorum Gallicorum».

- liis putridis Fagi (L. 1580); in acubus pineis (T. 5348).
1624. *Agaricus* (*Mycena*) *filipes* Bull. — In sarmentis Rubi etc. (L. 1563).
1625. *Agaricus* (*Naucoria*) *Erinaceus* Fr. — Ad ranulos putres (T. 5186).
1626. *Polyporus hispidus* (Bull.) Fr. — Ad Mali corticem (L. 1673).
1627. *Polyporus salicinus* Fr. — Ad cortices Salicis (L. 1630). — A typo Friesii differt pileo satis reflexo, margine acutiusculo, concentrice sulcato, fusco-canesciente intus toto ochraceo-cinnamomeo; poris primo albido—pruinatis. Ad *Polyporum Evonymi* Kalchbr. vergit.
1628. *Polyporus spumens* Fr. — Ad truncos (L. 8. 9). — Pulcherrima species margine rotundato involuto mox dignoscenda.
1629. *Polyporus rufescens* (Pers.) Fr. — Ad basim truncorum (G. 11).
1630. *Polyporus subspadiceus* Fr. — In cortice dejecto Betulæ, Fontainebleau (T. 6015). — Specimina senescentia, ergo species dubia.
1631. *Polyporus versicolor* (L.) Fr. forma *subresupinata*. — Ad truncos (G. 11).
1632. *Polyporus vaporarius* Fr. forma *irpicoides*: poris maxime obliquatis, lacerisque, quasi *Irpicis*. Ad cortices varios (L. 1667 — G. 3. 6. 9). — forma *lutescens*: poris luteolis. Ad cortices (G. 2) — forma *typica*. — Ad ligna et cortices (G. 4. 6. 7. 13 — (L. 1653).
1633. *Polyporus abietinus* (Dicks.) Fr. forma *resupinata*. — Ad cortices (G. 9).
1634. *Cyphella punctiformis* Fr. Karst. — In caulibus Menthæ, Brionne (M. 253) *Eupatorii* (T. 5623).
1635. *Cantharellus cinereus* (Pers.) Fr. — Ad terram nemorosam (L. 1576).
1636. *Irpex paleaceus* Fr. — Ad cortices Alni (ut videtur) (L. 2). — Etsi matrix non conifera, species hujus nominis videtur.

1637. *Hydnum argutum* Fr. — Ad ligna putrida Robiniae (T. 6683).
1638. *Hydnum subtile* Fr. — In ramis corticatis decorticatisque Fagi, Pini etc. (G. 4, 7, 17).
1639. *Odontia fimbriata* (Pers.) Fr. — In lignis putrescentibus (G. 15).
1640. *Odontia Pruni* Lasch. var. — In lignis putrescentibus (G. 1). Late effusa sordide alba; subiculum tenuissimum pallidum; tubercula remotiuscula, oblonga, apice rotundata, penicillata, setulis flavido-hyalinis, septulatis; sporæ (propriæ?) oblongæ, curvulæ, $4 \approx 1,5$, hyalinæ; basidia non visa.
1641. *Trametes hispida* Bagl. — In trunco Ceratoniae, Alger (TRABUT, dedit ROUMEGUERE, n. 12^{bis}).
1642. *Trametes serpens* Fr. — Ligno subadnata e cortice rumpens, e. g. Salicis (L. 1637 — G. 4. 11).
1643. *Typhulà filiformis* (Bull.) Fr. — Ad ramulos deciduos. (M. 233). — Specimina imperfecta, ergo parum certa.
1644. *Corticium Mougeotii* Fr. — Resupinatum, cartilagineum, margine subliberum, totum vinoso-rubidum, hymenio setulis cuspidatis $60-70 \approx 10$ pubero, incrustando inæquali, sed non rimoso; contextu fulvo-ferrugineo. — Ad cortices Pinorum (G. 1).
1645. *Corticium calceum* Fr. — Ad cortices (G. 5).
1646. *Corticium sulphureum* Fr. — Ad cortices Pinorum (T. 5952).
1647. *Corticium cinnamomeum* Fr. — Ad ligna putrescentia (T. 6237).
1648. *Hypochnus olivaceus* Fr. (ut opinor). — Ad ligna pinea fabrefacta (G. 6). Late effusus, tenuis, olivascens, levis, vix puberulus; hyphæ granulosæ hinc inde clavatæ, sursum hyalinæ; sporæ ovatæ, basi subapiculatæ, $9-10 \approx 6$, leves, olivaceæ.
1649. *Zygodesmus fulvus* Sacc. — In foliis putridis (Lb. 417. 997. 186) — v. *olivascens* (Lb. 183). Conidia sub-olivacea, sphaerica, 8-9 micr. diam. exquisite hyalino-muricata.

1650. *Dacryomyces purpureus* Tul. (ut videtur). — In cortice Fagi, S.^t Bonnet le froid (Rhône) legit T. (6576).

Phycomyceteæ

1651. *Peronospora grisea* Ung. f. *Veronicæ serpyllifoliæ*. — In ejusdem foliis, Le Sapey (T. 5830).
1652. *Peronospora Dipsaci* Tul. — In foliis *Dipsaci sylvestris* Grenoble (T. 5791).
1653. *Peronospora Trifoliorum* de Bary, f. *Ononidis*. — In ejusdem foliis, Isère (T. 5773).
1654. *Peronospora arborescens* (Berk.) de Bary — In foliis *Papaveris Argemonis*, Bellegarde (T. 5570).
1655. *Peronospora Fragariæ* Roz. & Cornu. — In pag. inf. foliorum *Fragariæ Fragariastris* etc., Isère (T. 5765). — Conidia ovato-oblonga 25-28 × 7-8, hyalina.
1656. *Peronospora calotheca* de Bary. — In foliis *Galiorum*, Le Sapey, Isère (T. 5828).
1657. *Peronospora graminicola* Sacc. *P. Setariæ* Pass. — In foliis *Setariæ viridis* (L. 1500). Hyphæ dense gregariæ, breves, continuæ, subhyalinae, 80-120 ≈ 15-16, nunc sursum denticulatæ tantum, nunc ramulos trifidos exerentes; conidia ellipsoidea hyalina, granulosa, 12-15 ≈ 10-11. — Oogonia sistunt *Protomycetem graminicolam* Sacc.
1658. *Peronospora Euphorbiæ* Fuck. — In foliis *Euphorbiæ platyphyllæ*, Le Sapey (T. 5797).
1659. *Peronospora gangliiformis* Berk. — In foliis *Hieracii murorum* vel affinis, Eybens, Isère (T. 5774).
1660. *Peronospora densa* Rabh. — In foliis *Rhinanthi Cristæ-galli* (Lb. 330).
1661. *Peronospora Ficariæ* Tul. — In foliis *Ranunculi lanuginosi* (Lb. 333).
1662. *Peronospora* (*Phytophthora*) *infestans* De Bary — In foliis *Solani tuberosi* (Lb.).
1663. *Entyloma Crepinianum* Sacc. & Roum. — Hinc

inde gregarium, semper tectum; sporis globosis 20–25 μ . diam., flavo-ochraceis, episporio 2–2½ μ . cr. pallidior, intus guttulatis, levibus. — In foliis languidis graminum (Poæ?) socia Phylachora. Ab *En. crastophilo* Sacc. sporis multo majoribus, ab oosporis *Peronospora graminicolæ* (Sacc.) sporis coloratis oogonio ca-
rentibus etc. mox dignoscitur (**Lb.** 703 p. p.).

GILLETIA Sacc. & Penz. — Hyphæ conidiophoræ simplices, continuæ, apice inflatulæ ibique sterigmata bacillaria undique exerentia. Conidia globulosa continua subhyalina in apice sterigmatum solitarie acrogena. — Oogonia ignota, sed totus fungi habitus peronosporoides. — Novum genus præclaro C. C. GILLETIO, mycologo gallico alentionensi merito dicatum.

1664. *Gilletia spinuligera* Sacc. & Therry. — Hyphis hypophyllis in cæspitulos punctiformes sordide albos gregarios tandem fere conglutinatis, cylindricis, continuis, subhyalinis, 150 \approx 12–15, basi levissime inflatis, acutis (forte e stromatibus foliorum oriundis) fibrillisque parvis mycelicis instructis, apice leniter inflatis, rotundatisque; sterigmatibus parvis (8–12) bacillaribus, sursum subincrassatis, 10 \approx 1,7; conidiis globosis (in sicco coffeiformibus) 25–26 μ . diam. nubiosis, dilutissime flavido-hyalinis.

Hab. in pag. infer. *Erigerontis canadensis* languidis, Eybens, Isère (**T.** 5768). — Microconidia ovata, 5–6 \approx 4, hyalina una cum conidiis observavi, dubiusque hæreo num metagenetica an heterogenea sint.

1665. *Cystopus cubicus* (Str.) de Bary. f. *Centaureæ Scabiosæ*. In ejusdem foliis (**L.** 1665). — f. *Cirsii*. In ejusdem foliis, Malesherbes (**T.** 5991).

Hypodermeæ.

1666. *Urocystis Cepulæ* Farl. — In foliis *Allii Porri* et *Cæpæ*, Rouen (**M.** 246). — Massæ sporarum subglobosæ 18–20 μ . diam., fuscæ; sporæ subglobosæ, minutæ, 3–4 μ . diam.

1667. *Ustilago utriculosa* (Corda) Tul. — In ovariis Polygoni Persicariæ (L. 1652).
1668. *Endophyllum Sempervivi* (A. S.) Lév. — In foliis caulinis Sempervivi tectorum S.^t Vallier (Drôme) (T. 5633). — Sporæ obovatæ verruculosæ 25-32 = 21-22, brunneæ.
1669. *Endophyllum Sedi* (DC.) Lév. — In foliis Sedi reflexi, S.^t Vallier (Drôme) (T. 5652). Sporæ globoso-ellipsoideæ minute muriculatæ, 25-36, lutescentes. — Adest parasitica *Tuberculina persicina*.
1670. *Ustilago olivacea* (DC.) Tul. — In ovariis Caricis ripariæ, Malesherbes (Loiret) (T. 5978). — Sporæ globulosæ 3-5 μ . diam., olivaceæ, leves.
1671. *Ustilago longissima* (Sow.) Tul. — In foliis Glyceriæ spectabilis, Malesherbes (Loiret.) (T. 5977). — Sporæ globulosæ 4-5 μ . diam. viridulæ, leves.
1672. *Chrysomyxa Abietis* Ung. — In foliis Abietis pectinatæ (T. 6184).
1673. *Puccinia Moliniæ* Tul. — In foliis Moliniæ cœruleæ, uredosporæ et teleutosporæ (T. 6275).
1674. *Puccinia Luzulæ* Lib. — In foliis Luzulæ (Lb. 968).
1675. *Puccinia striæformis* West. — In foliis graminum (Lb. 83).
1676. *Puccinia Iridis* (DC.) — In foliis Iridis graminifoliæ (Lb. 958).
1677. *Puccinia Nolitangere* Cord. — In foliis Impatiæ Nolitangere (Lb. 957).
1678. *Puccinia Calthæ* Link. — In foliis Calthæ palustris (Lb. 946).
1679. *Puccinia Ægopodii* (Schum). — In foliis Ægopodii (Lb. 608).
1680. *Puccinia Galiorum* Link. — In foliis Galiorum (Lb. 951).
1681. *Puccinia Angelicæ* (Schum). — In foliis Angelicæ sylvestris (Lb. 966).
1682. *Puccinia Arenariæ* (Schum). — In foliis Stelariæ holosteæ (Lb. 609 bis). In foliis Dianthi barbati (Lb. 609).

1683. *Puccinia Epilobii* (DC.) — In foliis *Epilobii montani* (Lb. 12).
1684. *Puccinia Liliacearum* Duby. — In foliis languidis *Endymionis nutantis*, bois d'Ecouen (Seine et Loire) (DELACOUR).
1685. *Uromyces scutellatus* (Pers.) Lév. Sacc. Mich. II. 45. — In foliis *Euphorbiæ Cyparissiae* S.^t Vallier (Drôme) (T. 5629).
1686. *Uromyces excavatus* (DC.) Magn. Sacc. Mich. II. 45. — In foliis *Euphorbiæ verrucosæ* v. *afinis*, Eybens (Isère) (T. 5776).
1687. *Uromyces Genistæ* Fuck. — In aliis ramorum *Genistæ sagetalis*, S.^t Vallier (Drôme) (T. n.?).
1688. *Uromyces Valerianæ* Fuck. — In foliis *Valerianæ tripteridis* (Lb. 14).
1689. *Uromyces Orobi* (Schum). Fuck. — In foliis *Orobi tuberosi* (Lb. 956).
1690. *Triphragmium Ulmariae* (Schum). — In foliis *Spirææ Ulmariae* (Lb. 961, 312, 313).
1691. *Xenodochus carbonarius* Schlecht. — In foliis *Pimpinellæ* (Lb. 305).
1692. *Phragmidium gracile* Grev. — In foliis *Rubi Idæi* (Lb. 321 p. p.).
1693. *Uredo* (Melampsora) *Pyrolæ* (Schult.) — In foliis *Pyrolæ* (Lb. 367).
1694. *Æcidium Urticæ* DC. — In foliis et petiolis *Urticæ* (Lb. 350).
1695. *Æcidium Epilobii* DC. — In foliis *Epilobii* (Lb. 428).
1696. *Æcidium Periclymeni* DC. In foliis *Periclymeni* (Lb. 426).

Pyrenomycetæ.

1697. *Eurotium repens* de Bary. — In gelatina putri (T. 6213). — *E. herbariorum* in bulbis *Croci* (T. 6291), in foliis *Melianthi* in herbario (BRUNAND).
1698. *Microsphæra Grossulariæ* Lév. — In foliis *Ribis Grossulariæ* (Lb. 327).

1699. *Podosphæra clandestina* (Link.) Lév. — In foliis *Oxyacanthæ* (Lb. 19).
1700. *Uncinula bicornis* Lév. — In foliis *Aceris campestris* (T. 2516).
1701. *Apiosporium stygium* Wallr. — In ligno *Juglandis* (Lb. 431).
1702. *Anthostoma turgidum* (Pers.) Nits. — In cortice *Fagi* (Lb. 774).
1703. *Anthostoma Massaræ* (De Not.) Sacc. Syll. Fung. I. 306. — In ramis corticatis *Gleditschiæ Triacanthi* (B. 74). Asci teretes 160–180 \approx 14–15; sporidia ovato-oblonga, leniter inæquilaterialia, 28–30 \approx 10, fuliginea. A typo differt sporidiis paulo longioribus.
1704. *Anthostoma italicum* Sacc. et Sp. — In caulibus emortuis *Lavandulæ Spicæ*, Rochers à Vis, Isère) T. 6077). Asci teretes 140 \approx 10–12; sporidia ovato-oblonga, subinæquilaterialia, 1–2-guttata, 21–24 \approx 9–11, fuliginea.
1705. *Anthostoma anceps* Sacc. & R. — Peritheciis cortice innatis, globosis, $\frac{3}{4}$ mill. diam., ostiolo obtuso pertuso parum emergente; ascis cylindraceis, brevè stipitatis, 140–150 \approx 11–14 paraphysatis, octosporis; sporidiis oblique monostichis ellipsoideo-oblongis, 22–25 \approx 10–11, fuligineis, superne obtuse hyalino-apiculatis, crasse 1-guttatis.
Hab. in cortice *Coniferarum* (Lb.) — Ab *A. veneto* Sacc. & Speg. sporidiis hyalino-apiculatis recedit.
1706. *Botryosphæria advena* Ces. & De Not. — In cortice *Quercus*, Verviers (Belgique) legit LAMBOTTE; Malmedy (Lb. 109).
1707. *Cucurbitaria pithyophila* (Schw.) De Not. — In cortice *Abietis* (Lb. 168).
1708. *Cucurbitaria elongata* Grev. — In *Robinia* (Lb. 694).
1709. *Chætosphæria fusca* Fuck. — In lignis et corticibus (Lb. 773), socio *Cladotricho polysporo* Corda.
1710. *Chætosphæria tristis* (Pers.) Sacc. — In corticibus (Lb. 663). Asci ovato-fusoidei, 30 \approx 14, octospori-

ri; sporidia disticha, botuliformia, 15-18 \approx 2-2 $\frac{1}{4}$, utrinque obtusiuscula, 3-guttulata, hyalina.

1711. *Valsa Vitis* (Schw.) Fuck. — In truncis corticatis *Vitis viniferae*, sociis spermogoniis (T. 6517).

1712. *Eutypella confluens* (Nits.) Sacc. **Morthieri*. — A typo differt stromatibus sparsis (nec seriatis, nec confluentibus); peritheciis majusculis, ostiolis 3-4-rimosus; ascis fusoides stipitatis, parte sporif. in medio asco 30 \approx 6, pseudo-paraphysibus longioribus obvallatis, octosporis; sporidiis allantoides 7-9 \approx 1,7, pallide olivaceis. — In ramis quercinis in Helvetia (MORTHER, n. 6).

1713. *Calosphæria capillaris* Sacc. & Penz. — Peritheciis in soros crassiusculos aggregatis, mox, cortice secesso, superficialibus, majusculis, fere 1 mill. diam., globosis, dein subinde collapsis, glabriusculis, in ostiola prælonga, capillaria, decumbenti-flexuosa apice acuta 2 mill. longa abeuntibus; ascis fusoides-clavatis p. s. 36-45 \approx 9-11, octosporis; sporidiis allantoides, 9-12 \approx 2,5-3, curvulis hyalinis.

Hab. in ligno Juglandis regiae emortuo (T. 5410). Affinis videtur *Calosphæria macrospora* Wint., a qua ostiolis acutis, ascis angustioribus, sporidiis brevioribus differre videtur.

1714. *Calosphæria Wahlenbergii* (Desm.) Nits., nec Sacc. Mich. II. 254, quæ potius *C. ciliatula*. — In cortice Betulae (Lb. 738 bis). Asci p. s. 45 \approx 7-8; sporidia 8-10 \approx 1 $\frac{3}{4}$, rectiuscula.

1715. *Calosphæria affinis* Nits. — In cortice Betulae (Lb. 122 A).

1716. *Cryptospora corylina* (Tul.) Fuck. — In ramis Coryli (Lb. 683).

1717. *Chætomium macrosporum* Sacc. & Penz. — Peritheciis gregariis, superficialibus, olivaceo-fuscis, $\frac{1}{2}$ - $\frac{3}{4}$ mill. diam. (cum pilis) globoso-conicis, setulis olivaceo-fuligineis, flexuosis; ascis mox diffluentibus, tetrifusoides, 60-70 \approx 18; sporidiis subdistichis, initio viridulis, e fronte globosis v. globoso-angulosis 14-16

μ . diam., e latere compressis 7-8 μ . cr., sæpius 1-guttatis, fuligineis.

Hab. in charta putrescente herbariorum (T. 6292).

Chætomio crispato Fuck. subaffine.

1718. *Ceriospora Dubyi* Niessl. — In ramulis corticatis emortuis Humuli Lupuli (Mb. n. 278).

1719. *Didymosphæria massarioides* Sacc. & Brunaud. — Peritheciis laxè gregariis, subinde duobus confluentibus, globoso-depressis, $\frac{1}{2}$ - $\frac{3}{4}$ mill. diam., cortice tectis, ostiolo obtuso crassiusculo vix erumpente; contextu perithecii crassiusculo; ascis cylindræis, apice rotundatis, breve stipitatis, $120 \approx 10$, copiose filiformi-paraphysatis, octosporis; sporidiis oblique monostichis, ovato-oblongis, utrinque obtusiusculis, $20 \approx 8$, constricto-1-septatis, flavo-ochraceis, dein fuligineis, sæpe 2-guttatis.

Hab. in ramulis corticatis Lycii barbari, Saintes (B.).

1720. *Cœlosphæria media* Sacc. — Peritheciis cæspitoso-erumpentibus, globoso-depressis, dein umbilicatis, $\frac{1}{3}$ mill. diam., ruguloso-hirtellis, nigris; ascis clavulatis, breve stipitatis, p. sporif. $20 \approx 6-7$, octosporis; sporidiis distichis, allantoideis, $8-9 \approx 1,5-2$, quadriguttulatis, hyalinis.

Hab. ad ramulos Ulmi putrescentes in Helvetia (MORTHIER n. 4). — A *Cœl. Fuckelii* facile distinguenda.

1721. *Diaporthe* (Chorostate) *longirostris* (Tul.) Sacc, Syll. Fung. I, pag. 609. — In ramis corticatis Aceris Pseudoplatani, Grande Chartreuse, Isère (T. 4947).

1722. *Diaporthe* (Sclerostroma) *fibrosa* (Fr.) Nits. — In ramis corticatis Rhamni cathartici, Genève Helvetiæ (T. 5592).

1723. *Diaporthe* (Sclerostroma) *Carpini* (Pers.) Fuck. — In ramis corticatis Carpini (T. 5476 Lb. 657).

1724. *Diaporthe* (Tetrastaga) *inæqualis* (Curr.) Nits. — In ramis corticatis Genistæ Verviers (Belgique), legit LAMBOTTE.

1725. *Diaporthe* (*Sclerostroma*) **Niesslii** Sacc. — In ramis *Pseudoplatani* (**Lb.** 752).
1726. *Diaporthe* (*Sclerostroma*) **Strumella** (Fr.) Fuck. — In ramis *Ribis Grossulariæ* (**Lb.** 763). Asci fusoides 45 \approx 9; sporidia disticha, fusioidea, 15–3 $\frac{1}{2}$, quadriguttulata, 1-septata, subconstricta, hyalina.
1727. *Diaporthe* (*Sclerostroma*) **sulfurea** Fuck. — In ramis *Coryli* (**Lb.** 645, 647).
1728. *Diaporthe* (*Sclerostroma*) **quercina** Nits. — In ramis *quercinis* (**Lb.** 787 bis).
1729. *Diaporthe* (*Sclerostroma*) **detrusa** (Fr.) Fuck. — In ramis *Berberidis* (**Lb.** 685).
1730. *Diaporthe* (*Sclerostroma*) **Tessera** (Fr.) Fuck. — In ramis *Coryli* (**Lb.** 676).
1731. *Diaporthe* (*Sclerostroma*) **decedens** (Fr.) Fuck. — In ramis *Coryli* (**Lb.** 769, 690).
1732. *Diaporthe* (*Sclerostroma*) **decipiens** Sacc. — In ramis *Carpini Betuli* (**Lb.** 765).
1733. *Diaporthe* (*Sclerostroma*) **decorticans** (Lib.) Sacc. et Roum. — Acervulis valseis minutis, corticulis, ligno denigrato appositis; peritheciis globulosis; ostioliis brevibus disculum atrum erumpentem vix attingentibus; ascis fusioideis, 90–95 \approx 15–18, subsessilibus, lumine apice bifoveolato, octosporis; sporidiis distichis, anguste fusioideis, utrinque obtusiusculis, 18–20 \approx 4, rectiusculis, 1-septatis, constrictis, 4-guttulatis, hyalinis; spermogoniis *Phomam padinam* referentibus, subtectis globoso-lenticularibus sparsis; spermatiis fusioideis 9–11 \approx 3, hyalinis. — In ramis corticatis *Pruni Padi* (**Lb.** 682).
1734. *Diaporthe* (*Tetrastaga*) **Therryana** Sacc. & Penz. — Stromate late effuso, epidermidemque longe lateque denigrante lineaque nigra infra limitato; peritheciis gregariis cortice immersis, globulosis, mediocribus, nigris; ostioliis erumpentibus, filiformibus, flexuosis, caulem setulosum efficientibus; ascis fusioideis, 36–46 \approx 6–7, apophysatis, octosporis; sporidiis distichis fusioideis, 10–11 \approx 2,5–3, 4-guttatis, obsolete 1-septatis, hyalinis.
- Hab.* in caule *Hellebori foetidi*, S.^t Bonnet le froid (Rhône) (**T.** 6540).

1735. *Diaporthe* (Tetrastaga) **velata** (Pers.) Nits. — In ramis corticatis Tiliæ (**Lb.** 778). Perithecia sæpe valisiformi-aggregata, hinc Sclerostroma referentia. Asci clavato-fusoidei, 50–55 \times 10; sporidia fusoidea 15 \approx 3, constricta, 4-guttulata, hyalina.
1736. *Diaporthe* (Tetrastaga) **Corni** Fuck. — In ramulis Corni sanguineæ (**Lb.** 145).
1737. *Diaporthe* (Tetrastaga) **Delogneana** Sacc. & Roum. — Peritheciis hinc inde gregariis, corticulis, basique ligno infossis, lineaque nigra tortuosa exceptis, $\frac{1}{2}$ mill. diam., nigro-olivaceis; ascis fusoideis subsessilibus, 45–55 \times 8, lumine apice bifoveolato, aparaphysatis, octosporis; sporidiis distichis fusoideis, rectiusculis, utrinque acutiusculis obsoleteque appendiculatis, 12–14 \times 3–3 $\frac{1}{2}$, 4-guttulatis, 1-septatis hyalinis. — In ramis corticatis Daphnes Mezerei (**Lb.** 157).
1738. *Diaporthe* (Tetrastaga) **crustosa** Sacc. & Roum. — Peritheciis corticulis, gregariis, stromate crustaceo nigro exceptis, globulosis $\frac{1}{3}$ – $\frac{1}{2}$ mill. diam., ostiolo tetrisculo, perithecium sæpe excedente, erumpente; ascis crasse fusoideo-clavatis, 60 \times 12–13, subsessilibus, apice obtusatis, lumineque vix vel non foveolato, aparaphysatis, octosporis; sporidiis distichis vel subtristichis, tetrisculo-fusoideis 15–17 \times 3–3 $\frac{1}{4}$, utrinque obtusiusculis, initioque obsolete apiculatis, 1-septatis, levissime constrictis, 4-guttatis, hyalinis. — In ramis corticatis Ilicis Aquifolii (**Lb.** 174).
1739. *Diaporthe* (Tetrastaga) **Radula** Nits. — In ramis Pruni Padi (**Lb.** 123 p. p.).
1740. *Diaporthe* (Tetrastaga) **didymelloides** Sacc. & Malbr. — Peritheciis laxè v. dense gregariis cortice immersis, globoso-depressis, ostiolo minuto vix erumpente, linea stromatica nulla v. obsoleta; ascis fusoideo-clavulatis, subsessilibus, 55–60 \times 7–8, octosporis, aparaphysatis; sporidiis distichis fusoideis, 14–15 \times 4, 4-guttatis, 1-septatis vix constrictis, hyalinis, rectiusculis.
- Hab.* in ramis corticatis Lonicæræ, Elbeuf (**M.** n. 269). Stromate obsoleto ad *Didymellam* nutat, sed paraphyses nullæ et sporidia prorsus diaportheoidea.

1741. *Diaporthe* (Tetrastaga) **incompta** Sacc. — Peritheciis sparsis vel hinc inde subaggregatis, grandiusculis, cortice intus infuscato, nidulantibus; ostiolis vix erumpentibus, punctiformibus; ascis tereti-fusoideis, 60 \approx 8-10, apice subtruncatis, deorsum attenuatis, octosporis, aparaphysatis; sporidiis distichis fusoides, 1-septatis, lenissime constrictis, 14-16 \approx 4, rectis curvulisve, 4-guttulatis, utrinque acutiusculis, hyalinis.

Hab. in ramis corticatis Ampelopsidis hederaceæ, Ecully (Rhône) (T. 5708).

1742. *Diaporthe* (Tetrastaga) **Beckhausii** Nits. — In ramulis corticatis Viburni Opuli (?) Ecully (T. 5714).

1743. *Diaporthe* (Euorthe) **Berkeleyi** (Desm.) Nits. — In caulibus Seseleos Libanotis (B. n. 2).

1744. *Diaporthe* (Euorthe?) **Eres** Nits. — In ramis corticatis Ulmi (Lb. 777). — Forma ostiolis brevioribus et plerumque corticola.

1745. *Diaporthe* (Euorthe) **conorum** (Desm.) Niessl. — In strobilis Abietis (Lb. 290, 293). — *Diaporthe occulta* Fuck. ostiolis rostellatis differt.

1746. *Diaporthe* (Euorthe) **cryptica** Nits. — In ramis Loniceræ (Lb. 756, 147).

1747. *Diaporthe* (Euorthe) **controversa** (Desm.) Nits. — In ramis Fraxini excelsioris (Lb. 155).

1748. *Didymella* **operosa** (Desm.) Sacc. Syll. Fung. I. pag. 554. — In caule Angelicæ sylvestris (L. 1462). — Perithecia denique denudata, nitidula, dein depresso-umbilicata, minuta. Asci teretes 60-70 \approx 12, paraphysati; sporidia oblique monosticha, fusoides-clavulata, 15 \approx 4-5, uniseptata, hyalina. *Didym. superflue* affinis.

1749. *Didymella* **lophospora** Sacc. & Sp. ***echinophila**; a typo differt ostiolo paulo longiore; ascis angustioribus (spor. 14-18 \approx 4-5, appendiculatis; ascis, 60-70 \approx 6-7). — In spinis involucrorum Castaneæ, Eybens (Isère) (T. 5770).

1750. *Didymosphæria* **incarcerata** (Desm.) Sacc. Syll. I. 765. — In ramis Sarothamni scoparii, Jan-

- neyrias (Isère), socia *Pleospora Gilletiana* (T. 6496).
 Asci 140–145 \approx 18–20 paraphisibus ramosis obvallati,
 octospori; sporidia monosticha, ellipsoidea, utrinque, ro-
 tundata, constricto–1-septata, 20–24 \approx 10–12, fuligi-
 nea initio strato hyalino labili involuta.
1751. *Diatrypella aspera* (Fr.) Nits. — In cortice Fagi
 (Lb. 791, 768^{bis}).
1752. *Diatrypella decorata* Nits. Pyr. Germ. p. 79. —
 In cortice Betulae (714^{bis}). Asci p. sporif. 35–45 \approx
 5; sporidia minuta 4–6 \approx 1, allantoidea, subyalina.
1753. *Enchnosphæria pinetorum* Fuck. — In ramu-
 lis foliisque emortuis Abietis, inter *Rhacodium Ther-
 ryanum*, quod est byssus sive subiculum *Enchnosphæ-
 riæ* (T. 6148). Asci tereti-clavati, breve crassiuscule
 stipitati 110 \approx 16 copiose paraphysati, octospori; spo-
 ridia obliqua monosticha fusoidea, curvula, utrinque acu-
 tiuscula, 30–33 \approx 6–7 initio 1– dein 2–, tandem 3–
 septata, medio constricta, 4-guttulata, hyalina, loculo
 secundo superiore paulo crassiore; sporidia extra ascos
 tandem fuscescunt.
1754. *Endothia gyrosa* (Schw.) Fuck. — Spermogo-
 nium: spermatis 3–3,5 \approx 0,7–1, hyalinis; stromatibus
 conceptaculis ascophoris similibus. In cortice quercino
 S.^t Vallier (T. 5630).
1755. *Eutypa aspera* (Nits.) Fuck., Sacc. Syll. I. 163.
 — In trunco decorticato Genistæ, Ardèche (T. 5539).
Eutypa tetragona (Duby) videtur forma magis evoluta.
 Asci p. sporif. 30 \approx 5–6; sporidia olivacea 8 \approx 1,7.
1756. *Eutypa nitida* (Nits.) Sacc. f. *Populi*. In ejus-
 dem ramis corticatis (T. 5740). Sporidia (extra ascos)
 6–8 \approx 2, luteola.
1757. *Fenestella vestita* (Fr.) Sacc. In ramis Ribis
 (Lb. 780), Cytisi Laburni (Lb. 158).
1758. *Gnomonia erythrostoma* (Pers.) Auersw. — Ad
 folia Cerasi, Brionne (M.). Asci 60–70 \approx 10–14: spo-
 ridia excentrice 1-septata, clavulata, 18 \approx 7, hyalino-
 luteola.
1759. *Hypoxylon udum* Fr. — In ligno quercino
 (Lb. 775).

1760. *Læstadia carpineae* (Fr.) Sacc. — In foliis *Carpini* (**Lb.** 31).
1761. *Læstadia sylvicola* Sacc. & Roum. — Peritheciis gregariis, innatis, globoso-depressis, 100–120 micr. diam., contextu parenchymatico ochraceo-fusco circa ostiolum punctiforme subhyalino; ascis cylindraceis breviter stipitatis, 80–90 \approx 9–10, aparthysatis, octosporis; sporidiis sæpius monostichis ellipsoideo-oblongis, 10–12 \approx 5–6, hyalinis. In foliis *Quercus Roboris* amphigena (**Lb.** 41).
1762. *Læstadia Veneta* Sacc. F. it. t. 355. — In foliis *Platani*, Rouen (**Mb.**).
1763. *Sporormia minima* Auersw. — In fimo vaccino S.^t Bel, Rhône (**T.** 6533).
1764. *Lasiosphæria hirsuta* (Fr.) Ces. De Not. **L. rufiseda* Sacc. — Peritheciis sparsis, globoso-conicis, $\frac{3}{4}$ mill. d. pilis septatis, cuspidatis 200 \approx 6, fuliginosis vestitis, nec non tapeto brevi rufescente (semper?) insidentibus; ascis tereti-clavatis 150 \approx 12; sporidiis octonis distichis, vermicularibus, 50–60 \approx 4–5, multiguttulatis, 7–8-septatisve, curvis, utrinque acutato-appendiculatis, hyalinis. In squamis strobilorum *Abietum* (**Lb.** 271).
1765. *Leptosphæria Pampini* (Thuem) Sacc. in Rev. myc. *Sphærella Pampini* Thuem. — In sarmentis Vitis, Auxerre, socia *Phoma pleurospora* (LEON DAILLE). Asci tereti-fusoidei, 36–40 \approx 7–8, paraphysati, octospori; sporidia fusioidea, curvula, obtusiuscula, 12–14 \approx 3,5, tenuiter 1-dein 3-septata, 4-guttata, hyalina.
1766. *Leptosphæria microscopica* Karst. — Ad paniculas *Bromi asperi*, Helvetia (MORTIER n. 10). Asci 80–90 \approx 16–18; sporidia fusioideo-oblonga, 3-septata 26 \approx 8, flavo-olivacea.
1767. *Leptosphæria Coniothyrium* (Fuck.) Sacc. — In sarmentis Rubi (**Lb.** 234).
1768. *Leptosphæria helicicola* (Desm.) Niessl. — In foliis *Hederæ* (**Lb.** 368).
1769. *Leptosphæria vagabunda* Sacc. **Caulium*. — In caulibus *Petasites* (**Lb.** 783). Asci tereti-clavulati 90–100 \approx 15; sporidia biconica, curvula, 4–

guttata, 18-20 \approx 6-7, constricto 1-3-septata, initio hyalina.

1770. *Leptosphaeria Doliolum* (Pers.) Ces. De Not. — In caule *Heraclei* et *Angelicae* (**Lb.** 691 et 691^{bis}).

L. pinguicula* Sacc. A typo differt peritheciis minus altis, ascis 120 \approx 10-11; sporidiis paulo crassioribus, 20-23 \approx 6-7, 3-septatis, 4-guttulatis, olivaceo-fuligineis. In caule *Foeniculi* (Lb.** 355).

1771. *Leptosphaeria inculta* Sacc. & Malbr. — Peritheciis subgregariis innato-erumpentibus, globulosis, minutis, vix $\frac{1}{5}$ mill. diam., ostiolo papillato nudo; ascis subclavatis; breve stipitatis, paraphysatis, octosporis; sporidiis fusoides, utrinque acutis, 28-30 \approx 7, curvulis, 3-septatis, vix constrictis, dilute fuligineis.

Hab. in caule *Chenopodii albi* mortuo (**M.** 193). sociis *Diplodia* (styl. 16-18 \approx 8, constricto-1-septatis, fuligineis) et *Phoma* (spermatiis oblongis, 2-guttatis, 7 \approx 2,5, hyalinis). — Affinis *L. Euphorbiae* Niessl, a qua sporidiis paulo acutioribus differt.

1772. *Leptosphaeria conoidea* (De Not.) Sacc. f. *Rusci*. — In caule *Rusci aculeati* (**L.** 1512).

1773. *Leptosphaeria Typhæ* Karst. — In foliis *Typhæ latifoliae*, Ecully (**T.** 5738).

1774. *Leptosphaeria dolioloides* (Auersw.) Karst. — In caule *Senecionis erucifolii* (**M.**) Asci 90-110 \approx 15-20; sporidia 3-sticha, elongato-fusoides 7-11-septata, loculo intermedio paulo crassiore, chlorinoluteola, 50-55 \approx 5-6. Diversa est *P. rothomagensis* Sacc. Mich. II. p. 68 in eadem matrice nascens.

1775. *Leptosphaeria rubella* Sacc. & Malbr. — Peritheciis in matrice cruentato-violacea innato-erumpentibus, globoso-conicis, papillatis, demum depressis, $\frac{1}{3}$ mill. diam., nigris; ascis cylindraceis 150 \approx 7; sporidiis distichis, fusoides, rectiusculis, 25-26 \approx 4-5, tri-septatis, 4-guttatis, hyalinis, non v. vix constrictis.

Hab. ad caules in hortis (**M.** 190). — A *Lept. rubicunda* Rhem differt sporidiis rectis, crassioribus, hyalinis, etc.; a *Lept. cruenta* Sacc. pariter sporidiis hyalinis, rectis etc.

1776. *Leptosphæria Galiorum* Sacc. f. *Gentianæ*. — In caule emortuo *Gentianæ luteæ*, Le Sapey (Isère). Asci clavati longe stipitati, p. sporif. $80 \approx 15$; sporidia disticha oblonga, obtusa, $20-22 \approx 6-7$, quadrilocularia, 4-guttata, fuliginea.
1777. *Leptosphæria salebrosa* Sacc. — Peritheciis laxe gregariis, subcutaneis, globoso-depressis, $\frac{1}{4}$ mill. diam., ostiolo minuto erumpente nudo; ascis tereti-clavatis, $75-80 \approx 10$, paraphysatis, octosporis; sporidiis distichis tereti-fusoideis, $25-28 \approx 4$, 5-septatis, loculo secundo paulo turgidiore, lenissime curvulis, fuligineo-olivaceis.
- Hab.* in caule *Gentianæ luteæ* emortuo Le Sapey (Isère) (T. 5851). — A *Lapt. Medicaginum* Sacc. et a *Lapt. dumetorum* Niessl differt præsertim ob sporidia constanter 5-septata.
1778. *Leptosphæria galiicola* Sacc. *brachyspora F. It. n. 491. — In caule *Centranthi* (Lb. 422).
1779. *Leptosphæria* (Hendersonia?) *setulosa* Sacc. & Roum. — Peritheciis gregariis innato-erumpentibus, globulosis, $\frac{1}{5}$ mill. diam., circa ostiolum setulis cuspidatis, $50-60 \approx 3-4$, continuis fuscis ornatis; ascis....., sporidiis fusoides $20 \approx 4$, utrinque acutiusculis, 3-septatis, non constrictis, ochraceo-fuligineis. — In culmo putri *Secalis* (Lb. non num.)
1780. *Leptosphæria Hausmanniana* Auersw. — In foliis emortuis *Cherleriaæ sedoidis*, Chanrousse (Isère) (T. 6179). Asci crasse fusoides, $60 \approx 16$, sessiles, octospori; sporidia fusoides, $30-40 \approx 5-5.5$, recta v. curvula, 3-5-septata vix constricta, minute guttulata, olivaceo-fuscella; perithecia globulosa, $100-120 \mu$. diam., ostiolo breve fasciculatim setuloso.
1781. *Leptosphæria oreophiloides* Sacc. & Penz. — Peritheciis laxe gregariis, subcutaneis, depresso globosis, $\frac{1}{6}$ mill. diam., ostiolo brevi vix erumpente; ascis fusoides, brevissime stipitatis, $54-60 \approx 7-10$, paraphysibus guttulatis obvallatis, octosporis; sporidiis fusoides, leniter curvis, utrinque obtusiusculis, $25-28 \approx 4-5$, quadrisepatis, non constrictis, luteolis.

- Hab.* in caule emortuo *Laserpitii angustifolii*, Vis (Isère) (T. 6074). Affinis *L. oreophilæ* Sacc., a qua differt ascis angustioribus, habitatione etc.
1782. *Linospora faginea* Sacc. — Ad folia *Fagi* (M. 252).
1783. *Lophiotrema semiliberum* (Desm.) Sacc. — In culmis variis (Lb. 88, 649, 799^{bis}).
1784. *Lophiostoma Balsamianum* De Not. — In corticibus (Lb. 792).
1785. *Lophidium compressum* (Pers.) Sacc. — In trunco *Spireæ salicifoliæ* (Lb. 670); in ramis decoratis *Xylostei*, *Genevæ Helvetiæ* (T. 5582).
1786. *Massaria eburnea* Tul. f. *Betulæ* (Lb. 114) — f. *Fagi* (Lb. 201).
1787. *Massaria siparia* (B. & Br.) Tul. — In cortice *Betulæ* (Lb. 115).
1788. *Massaria inquinans* (Tode) Fr. — In cortice acerino (Lb. 106).
1789. *Massaria vibratilis* (Fr.) Nits. — In cortice *Pruni domesticæ* (Lb. 781). Asci teretes, breve stipitati, 160–170 \approx 16–20, octospori; sporidia oblique monosticha oblonga, utrinque rotundata, medio constricto–1-septata, 22–25 \approx 9–10, olivaceo-fuliginea, nubilosa, strato hyalino tenui obvoluta.
1790. *Melanconis spodiæa* Tul. — In ramis corticatis *Carpini* (Lb. 766, 142).
1791. *Melanconis Alni* Tul. — In ramis corticatis *Alni glutinosæ* (Lb. 203). Asci subfusoides, subsessiles, 70 \approx 15–18, octospori; sporidia disticha oblonga, subrecta, 1-septata, leniter constricta, 20–24 \approx 5 $\frac{1}{2}$ –6 $\frac{1}{4}$, subhyalina, utrinque appendiculis teretibus curvulis aucta.
1792. *Melanconis thelebola* (Fr.) Sacc. — In cortice *Alni* (Lb. 761^{bis}). Asci 110–120 \approx 20; sporidia disticha, cylindracea, curva, 1-septata, vix constricta, 45–50 \approx 8, subhyalina, initio utrinque setigera.
1793. *Melanopsamma mendax* Sacc. & Roum. — Peritheciis in subiculo late effuso velutino fuligineo-denso gregariis, superficialibus, globoso-papillatis, $\frac{1}{5}$ mill. d.,

nitidulis, levibus; ascis tereti-clavatis $130 \approx 12-15$, paraphysatis, breve stipitatis, apice rotundatis, octosporis, sporidiis subdistichis oblongo-didymis, constrictis, $20-22 \approx 8$, utrinque obtusiusculis, hyalinis, denique pallide fuligineis. In sarmentis Rubi Idæi (**Lb.** 232, 239). A *Melanopsamma Ruborum*, quam habitu æmulatur, differt ascis et sporidiis multo majoribus.

1794. **Microthyrium Cytisi** Fuck. Symb. (sed ibi male descriptum). — In ramis Cytisi sagittalis (**Lb.** 196). Perithecia scutiformia 120 micr. diam., margine crenulata, conspicue radiato-contexta, ostiolo minuto pertusa; asci obclavati, $30 \approx 6$, aparaphysati; sporidia octona disticha, fusoidea, $10-12 \approx 2$, 1-septata, non constricta, nubilosa, hyalina.
1795. **Anixia perichænoides** (Cooke) Sacc. *Orbicula perichænoides* Cooke. — In caule Brassicæ (**Lb.** 402). Asci cylindracei breve stipitati, $100-110 \approx 12-13$, paraphysibus filiformibus interdum furcati obvallati, octospori; sporidia 1-sticha ellipsoidea $14-15 \approx 12$, e hyalino flavida. Probabiliter status perfectus *Mycogalactis parietini*.
1796. **Ophiobolus graminis** Sacc. — In foliis graminum (**Lb.** 70).
1797. **Ophiobolus Penicillus** (K. & S.) Sacc. — In caule Serratulæ arvensis (**Lb.** 731). Asci cylindracei $200 \approx 12-14$, octospori; sporidia bacillaria, $150 \approx 4$, utrinque obtusiuscula, $12-16$ -locularia, loculis duobus intermediis crassioribus, flava. Peritheci ostiolum conoideum eximie breve penicillatum.
1798. **Pseudovalsa lanciformis** (Fr.) Ces. De Not. — In cortice Betulæ (**Lb.** 118, 714). Asci $150-160 \approx 30$; sporidia disticha fusoidea utrinque obtusiuscula, 7-septata, $40-50 \approx 15-18$, fuliginea, guttata, loculis extimis minimis subhyalinis.
1799. **Pleospora leptosphærioides** Sacc. & Therr. — Peritheciis laxè gregariis, globoso-hemisphæricis, fere $\frac{1}{2}$ mill. lat., cortice pustulatim elevato nidulantibus, intus pallidis, ostiolo vix erumpente, obtusiusculo; ascis anguste cylindraceis, apice rotundatis, brevissime no-

duloso-stipitatis, 120-140 \approx 7-8, paraphysibus filiformibus copiosis obvallatis, octosporis; sporidiis oblique v. subrecte monostichis, oblongis v. subfusoides, utrinque obtusiusculis, rectis, 18-20 \approx 5-6, 3-septatis, ad septa leniter constrictis, loculo uno v. duobus intermediis longitudinaliter divisis, ochraceo-fuligineis, subinde guttulatis.

Hab. in caule emortuo *Rusci aculeati*, S.^t Vallier (Drôme) (T. 5626). — *Leptosphaeria galiicola* Sacc. accedit, sed sporidiis in quoque asco saltem nonnullis muriformi-divisis, ascis longioribus etc. probe distinguenda.

1800. *Pleospora infectoria* Fuck. — In culmo emortuo *Brachypodii* (T. 5554).

1801. *Pleospora typhicola* Cooke. — In culmis graminum (Lb. 709). Sporidia ovoideo-oblonga 60 \approx 25, 3-septato-muriformia, olivaceo-fusca, ad septa constricta.

1802. *Pleospora abscondita* Sacc. & Roum. (nec Karst.) — Peritheciis gregariis, innatis, non v. vix erumpentibus, globoso-depressis, 300-350 micr. d., levibus, breve papillatis; ascis tereti-clavatis, 150 \approx 18-20, breve crasse stipitatis paraphysatis, octosporis; sporidiis distichis oblongo-fusoides, utrinque acutiusculis, 40 \approx 11, rectis curvulisve, 7-septatis, septisque uniseriatis longitrorsum divisis, ad septa leniter constrictis, pallide olivaceis. — In foliis vaginisque *Phragmitis* (Lb. 67) sociis *Hendersonia crastophila* Sacc.

1803. *Pseudovalsa Platanoidis* (Pers.) Sacc. *Sph. Innesii* Curr.? — In cortice *Aceris platanoidis* (Lb. 761^{ter}). Asci subfusoides 90-100 \approx 20, octospori; sporidia disticha, oblonga, 25-28 \approx 6½-7½, utrinque rotundata, ad septum medium leviter constricta, granulosa, hyalina, utrinque minute apiculata.

1804. *Pseudovalsa macrosperma* (Tul.) Sacc. — In cortice *Carpini* (Lb. 141).

1805. *Quaternaria Persoonii* Tul. — Ad cortice *Fagorum* (M.) Malmedy (Lb. 774^{bis}).

1806. *Rosellinia ligniaria* (Grev.) Nits. — In ligno ju-

- glandino putri (T. 5409). Asci 120-130 \times 8-9; sporidia 14-16 \approx 7-8, fuliginea.
1807. *Rosellinia mammiformis* (Pers.) Ces. De Not. — In cortice ramisque Pini sylvestris (Lb. 160 A. B.).
1808. *Sphærella Schænoprasi* Auersw. — In foliis Allii Porri (Lb. 643).
1809. *Sphærella Asteroma* (Fr.) Karst. — In foliis Convallariæ Polygonati et verticillatæ (Lb. 447, 471).
1810. *Sphærella maculans* Sacc. & Roum. — Peritheciis hypophyllis densissime gregariis maculasque latas nigricantes efficientibus, subtectis, globoso-lenticularibus, 80-100 micr. diam., poro pertusis; ascis teretibus, breve stipitatis, apice rotundatis 45-50 \approx 10 aparaphysatis, octosporis; sporidiis distichis fusoides, constricto-1-septatis leniter curvis, 18-20 \approx 3-3-1 $\frac{1}{2}$, hyalinis. — In pag. inf. foliorum Spirææ ulmariae (Lb. 309).
1811. *Sphærella sarracenica* Sacc. et Roum. — Peritheciis amphigenis laxè gregariis globoso-lenticularibus, innato-erumpentibus, $\frac{1}{6}$ mill. diam., pertusis; ascis tereti-clavatis, brevissime stipitatis apice obtusis, 50 \times 8, aparaphysatis, octosporis; sporidiis distichis oblongo-clavulatis 12-14 \approx 3- $\frac{1}{2}$ -4, bilocularibus, vix constrictis, loculo inferiore minore, hyalinis. In foliis emortuis Senecionis sarracenici (Lb. 308).
1812. *Sphærella macularis* (Fr.) Auersw. — In pag. sup. foliorum Populi Tremulæ (Lb. 446). Asci teretiusculi 40-42 \times 6-7; sporidia disticha oblonga 7-9 \approx 2-2 $\frac{1}{2}$, uniseptata, non constricta, hyalina.
1813. *Sphærella acerina* Fuck. — In foliis Aceris Pseudoplatani (Lb. 2).
1814. *Sphærella salicicola* Rabb. — In pag. sup. foliorum Salicis caprææ (Lb. 334). Asci 40-45 \times 5-6; sporidia clavulata. 6 \times 2, uniseptata, non constricta, hyalina.
1815. *Sphærella Fagi* Auersw. — In foliis fagineis (Lb. 29).

1816. *Sphærella erysiphoides* Sacc. — Peritheciis gregariis, in pag. inf. dealbata innato-superficialibus, globoso-depressis, 90–100 μ . diam., pertusis; ascis tereti-clavulatis, 40–45 \approx 7, aparaphysatis, octosporis; sporidiis distichis oblongo-clavulatis, 9–10 \approx 2,5–3, 1-septatis, non constrictis, granulosis, hyalinis.

Hab. in foliis languidis *Tecomæ radicans*, Saintes, socia forma spermogonica *Phyllosticta erysiphoides* (B.). Habitus fere *Erysiphæ*.

1817. *Sphærella Iridis* Auersw. Sacc. Syll. I. 524. — In utraque pagina foliorum languidorum *Iridis Pseudacori* (L. 1628). Asci crasse saccati, 38–40 \approx 25–28, sessiles; sporidia oblonga, 1-septata, vix constricta, 18–20 \approx 7–8, hyalina.

1818. *Sphærulina intermixta* (B. & Br.) Sacc. f. Corni. — In ejusdem ramulis (M. 203). Asci diu fasciculato-rosulati, 65 \approx 14; sporidia ovato-oblonga, 23 \approx 7, 4–5-septata, hyalina.

1819. *Stigmatæa sylvatica* Sacc. — Peritheciis gregariis v. hinc inde aggregatis, hypophyllis, subsuperficialibus, globulosis, 110–120 μ . diam., pertusis, solidiusculis; ascis tereti-clavulatis, 40–44 \approx 6–7, parce (spurie?) paraphysatis, octosporis; sporidiis distichis oblongis, deorsum acutiusculis, 10 \approx 3, uniseptatis, non v. vix constrictis, hyalinis.

Hab. in foliis languidis v. emortuis *Juniperi communis*, Fontaineblau (T. 5938).

THERRYA Sacc. — Perithecia epidermide velata, maxima, applanata, vix papillata. Asci paraphysati octospori. Sporidia fusi-filiformia, utrinque setigera, hyalina, continua (jugiter?). — Sollerti et oculatissimo mycologo gallico lugdunensi J. THERRY, novum genus distinctissimum libenter dico.

1820. *Therrya gallica* Sacc. & Penz. — Peritheciis ambitu circulari-subangulosis, nigris, disciformibus, usque 2 mill. lat., intus albo-farctis, denique facile secedentibus, ostiolo minuto denique subumbilicato; ascis tereti-clavulatis, breve stipitatis, 140–150 \approx 12–15, lumine apice angustato, paraphysibus filiformibus guttula-

tis, obvallatis; sporidiis filiformi-fusoides, $72 \approx 3,5-4$, 6-8-guttatis, utrinque sensim setigeris, setula superiori curva, hyalinis.

Hab. in cortice levior Pini aqua diu immerso, Melesherbes (Loiret) (T. 5952).

1821. *Sillia ferruginea* (Pers.) Karst. — In cortice Coryli (Lb. 697).

1822. *Thyridaria incrustans* Sacc. *minor: ascis 90-100 \approx 7-8: sporidiis oblique monostichis 15-18 \approx 5-6 $\frac{1}{2}$, 3-septatis, leniter constrictis guttulatis, melleo-fuliginis. — In ramis (Lb.).

1823. *Theicospora pilosella* Sacc. & Roum. — Peritheciis gregariis, $\frac{1}{5}-\frac{1}{4}$ mill. diam., superficialibus, globoso-depressis, nigris, setulis filiformibus aterrimis continuis breviusculis conspersis, ostiolo obtuso; ascis tereti-clavatis, 70-80 \approx 18-20, brevissime crasse stipitatis, aparaphysatis(?), octosporis; sporidiis distichis oblongo-rhombeis 25-30 \approx 12-14, 10-12-septatis, septisque longit. 1-2-seriatis divisis, non constrictis, olivaceo-fuliginis. — In lignis pineis putridis (Lb. 709). — A *T. pilosa* Fuck. differt ascis multo brevioribus, subsessilibus et sporidiis acutioribus.

1824. *Teichospora Vitalbæ* Sacc. *minor: peritheciis paulo minoribus. — In sarmentis Clematidis Vitalbæ, Gard (T. 5559).

1825. *Teichospora oxystomoides* Sacc. — Peritheciis sparsis, globoso-conicis, basi ligno insculptis, carbonaceis, nigris, ostiolo acute papillato; ascis cylindricis, paraphysatis, octosporis, breve stipitatis 120-140 \approx 8-10; sporidiis oblique monostichis, oblongis subfusoides 21-28 \approx 7-9, 5-septatis muriformibusque ad septa constrictis, utrinque acutis, olivaceis.

Hab. ad caudices decorticatos Thymi vulgaris, Ruoms (Ardèche) (T. 5530). — A *T. oxystoma* sporidiis 5-septatis, nec 8-9-septatis præcipue differt.

1826. *Teichospora anceps* Sacc. F. it. tab. 310. — In partibus decorticatis ramorum Ulmi, Lyon (T. 6247). Perithecia solito densius gregata.

1827. *Trichosphæria pilosa* (Pers.) Fuck. *nitidula.

A typo differt setulis basilaribus tantum, verticeque perithecii nudato nitidulo. Setæ 200–260 \times 5–6, cuspidatæ fuscae. Asci tereti-clavati 54–58 \approx 3–4; sporidia submonosticha oblonga 7–8 \times 2,5–3, 2–3-guttulata, hyalina. — In sarmentis corticatis Rubi fruticosi (L. 1533).

1828. *Valsa* (Leucostoma) *macrostoma* Rehm, Sacc. Syll. I. 145. — In ramis corticatis Pruni Armeniacæ, Ecully (Rhône) (T. 6468). — Asci p. sporif. 54 \approx 10; sporidia ovato-oblonga, recta, 7–10 \approx 3–3,5, hyalina. Stroma lutescens.

1829. *Valsa* (Leucostoma) *Massariana* De Not. — In cortice Sorbi Aucupariæ (Lb. 716).

1830. *Valsa* (Leucostoma) *cincta* Fr. *Mali: ascis clavato-fusoideis 70–80 \times 18, subsessilibus, octosporis; sporidiis allantoides, 20–30 \times 5–6, hyalinis. — In cortice Pyri Mali (Lb. 659^{bis}).

1831. *Valsa* (Euvalsa) *pustulata* Auersw. — In cortice fagineo (Lb. 209, 206, 205, 761). Asci 55–60 \approx 8–10; sporidia allantodea, hyalina, 14–18 \approx 3.

1832. *Valsa* (Euvalsa) *Curreyi* Nits. — In cortice Laricis (Lb. 162).

1833. *Valsa* (Euvalsa) *fallax* Nits. — In cortice Corni sanguineæ (Lb. 144).

1834. *Valsa* (Euvalsa) *strobiligena* Sacc. & Roum. — Acervulis minutis erumpentibus nigris; peritheciis paucioribus, ostiolis conjunctis, vix excedentibus; ascis tereti-oblongis, sessilibus, 30–35 \times 6–7, octosporis; sporidiis distichis allantodeis curvulis, 8–9 \approx 1½–2, hyalinis. — In squamis strobilorum Abietis excelsæ (Lb. 270). An forma deminuta *Valsæ Abietis* Fr.?

1835. *Valsa* (Euvalsa) *ambiens* (Pers.) Fr. **dolosella*: ostiolis (e loco udo?) emergentibus, crassis, atris; ascis fusoides-clavatis subsessilibus, 55–60 \approx 10–12, octosporis; sporidiis botuliformibus 16–18 \times 4–5, curvulis, hyalinis. — In ramis corticatis suffocatis Fraxini (T. 5451–52) socia *Cytispora*. Habitu toto ad *Valsam dolosam* (Fr.) Nits. accedit, quæ etiam forte est forma *Valsæ ambientis* in humidis evoluta.

1836. *Venturia circinans* (Fr.) Sacc. — In pag. super. foliorum *Geranii rotundifolii*, Genevæ Helvetiæ et S.^t Vallier (Drôme) (T. 5574). Sporidia 9-10 \approx 3,6-4.
1837. *Venturia Niesslii* Sacc. Syll. I. 593. **nigella*: peritheciis dense gregariis erumpentibus globulosis, 110-120 μ . diam., ostiolo setulis brevissimis obtusiusculis munito; ascis tereti-obclavatis, 50-60 \approx 14-15, octosporis; sporidiis cuneatis 16-18 \approx 6, loculo infero multo minori, olivaceis. — In caule infusato *Gentianæ luteæ*, Le Sapey (Isère), socia *Phoma Niesslii* (T. 5853).
1838. *Valsaria rubricosa* (Fr.) Sacc. — In cortice *Fagorum* (T. 6263, 6514, M. 185).
Spermogonium: stromatibus subsimilibus, atropurpureis; spermatis allantoideis 4,5-6 \approx 0,5-1 hyalinis. — In cortice quercino (T. 5652).
1839. *Venturia exosporioides* (Desm.) Sacc. — In foliis *Caricum* (Lb. 71). — Setulæ continuæ basi incrassatæ, atræ, 90-100 \approx 5; sporidia fusioidea, 10-11 \approx 2-2 $\frac{1}{4}$, 1-septata, non constricta, hyalina. — *V. Eres* De Not. differt setis longis rigidis septatis. — *V. Chætomium* Corda, quacum Cooke jungit *Sphæriam* exosporioidem Desm., est species acicola diversa, quæ sub nomine *Niessliæ Chætomii* describitur in Rabh. & Gonn. Myc. Eur. p. 40, t. XI, fig. 152 (*Acanthostigma*).
1840. *Xylaria digitata* (Ehrh.) Fr. — Ad basim truncorum (Lb. 1038).
1841. *Zignoella Pulviscula* (Curr.) Sacc. — In trunculis fruticum emortuorum (L. 1467).
1842. *Melanospora chionea* (Fr.) Corda. — In acubus *Pini sylvestris* (Lb. 658).
1843. *Hypomyces rosellus* (A. & S.) Tul. — In fagetis ad terram et ad folia putria (Lb. 745).
1844. *Hypomyces aurantius* (Pers.) Fuck. — In hymenio putri *Polypori* (Lb. 651).
1845. *Chilonectria Cucurbitula* (Curr.) Sacc. — In cortice *Coryli* (Lb. 671). Asci 110 \approx 15, myriospori; sporidia allantoidea 4 \approx 1-1 $\frac{1}{4}$ hyalina.

1846. *Cordyceps cinerea* (Tul.) B. & C., *Torrubia cinerea* Tul. Carp. I, 61, III, 16, t. I, fig. 11. — Ad larvas coleopterorum, Eaux-Bonnes (DOASSANS & PATOUILLARD). — Sporidiorum articuli teretes, truncati, 6-8 \approx 1,5-2.
1847. *Hypocrea rufa* (Pers.) Mont. — In ramis emortuis dejectis Hippocastani, Rhône (T. 6467), Rubi (L. 534), Malmedy (Lb. 728).
1848. *Nectriella papyrogena* Sacc. & Penz. — Peritheciis sparsis, globoso-depressis, hyphulis parcissimis basi cinctis, atropurpureis, $\frac{1}{4}$ mill. diam., contextu parenchymatico, circa ostiolum minutum radiante; ascis fasciculatis tereti-clavatis, apice rotundatis 60-80 \approx 7-8, octosporis; sporidiis oblique monostichis, ellipsoideo-oblongis, utrinque rotundatis, 10-12 \approx 5-6, 2-4-guttulatis continuis, non constrictis, hyalinis.
- Hab.* in charta bibula herbariorum uda, socio *Sporotricho roseo* (T. 6291). — A *Nectria charticola* et *N. Pezicula* differt sporidiis continuis et diversæ magnitudinis, colore peritheci diverſo etc. An ab ætate?
1849. *Nectria Desmazierii* De Not. — In rimis corticis Buxi sempervirentis, Ecully (Rhône) (T. 6666).
1850. *Nectria Solani* Reinke & Berth. — In tuberibus Solani tuberosi (Lb. 809). Specimina immatura ergo dubia.
1851. *Nectria Brassicæ* Sacc. & Ell. — In caule putri Brassicæ (Lb. 790).
1852. *Nectria episphæria* (Tode) Fr. — In Sphæriaceis majoribus ad ramos (Lb. 651, 695).
1853. *Nectria punicea* (K. et S.) — In ramis corticatis Rhamni (Lb. 681), Padi (Lb. 679), Aceris etc. (Lb. 678 p. p. 680); Coryli et Tiliæ in Helvetia (MORTIER).
1854. *Nectria ochracea* Grev. & Fr. — In cortice Fagi (Lb. 729). Cæspituli gregarii, superficiales ex peritheciis globulosis subrugosis rufo-ochraceis, impresso-per-tusis compositi; asci tereti-fusoidei 70-80 \approx 12-15; sporidia octona, disticha, oblonga, subcurva, utrinque ro-

tundata, 1-septata, vix constricta 18-22 \approx 4-6, 4-guttulata, hyalina.

1855. **Nectria Ribis** Rabh. (Mich. I. 276). — In ramis corticatis Ribis (**Lb.** 677). — Asci 100 \approx 15; sporidia elongata, 1-septata, non constricta, 18-20 \approx 5-6, hyalina.

1856. **Nectria cinnabarina** (Tode) Fr. — In corticibus (**Lb.** 678 B). Forma *laevior*: peritheciis minus rugosis. In Fraxino (**Lb.** 261) Salice (**Lb.** 259 B).

1857. **Phyllachora Bromi** Fuck. — In foliis Brachypodii sylvatici (**L.** 1665). — Asci 70-80 \approx 10-12; sporidia 14 \approx 7, nubilosa, hyalina. — *Phyll. Junci* (Fr.) Fuck. in calamis Junci conglomerati (**T.** 5982). Asci (forte non satis evoluti) 70 \approx 6, copiose guttulato-paraphysati, octospori; sporidia oblonga 8-9 \approx 3-3.5, biguttata, hyalina.

1858. **Mazzantia sepium** Sacc. & Penz. — Stromatibus lineari-oblongis, subcutaneo-erumpentibus, atro-nitidulis, 1½-2 mill. long., vix ½ mill. crass., planiusculis, ostiolis obsolete punctulatis, loculis paucis, albidis; ascis tereti-clavulatis 54-58 \approx 7-8, aparaphysatis(?), octosporis, breve stipitatis; sporidiis oblique monostichis, tereti-fusoideis, rectis curvulisve, 2-(raro 4)-guttatis, 10-12 \approx 2.5-3.5, hyalinis.

Hab. in caulibus emortuis Convolvuli sepium (**M.** 273. **B.** n.?).

1859. **Glonium minusculum** Sacc. & Penz. — Peritheciis superficialibus, sparsis vel hinc inde aggregatis, oblongatis utrinque acutis, nigris, rimula percursis, ½ mill. long. ⅙ cr.; ascis crasse clavatis, breve obtuseque stipitatis, apice rotundatis, 46-48 \approx 21-23; paraphysibus sursum materie subamorpha violascente obtectis; sporidiis octonis distichis, obovato-oblongis, 1-septatis, leniter constrictis, 18-21 \approx 13-14, utrinque obtusiusculis, guttulato-granulosis, hyalinis.

Hab. in ligno radiceis Buxi sempervirentis emortuæ, Ardèche (**T.** 5532).

1860. **Glonium subtectum** Sacc. & Roum. — Peritheciis gregariis diu epidermide velatis, dein ex parte erum-

- pentibus ovato-oblongis, $\frac{1}{3}$ – $\frac{1}{2}$ mill. long., $\frac{1}{5}$ cr., nigris, rimula angusta percursis; ascis cylindraceis, brevissime stipitatis, paraphysatis, $70-80 \approx 6$, octosporis; sporidiis distichis, biconico—didymis, $13-14 \approx 3$, loculo inferiore angustiore, hyalinis. — In squamis conorum Abietis (**Lb.** 296). Præcipue peritheciis minutis subtectis distinguenda species.
1861. *Lophodermium arundinaceum* (Schrad.) Chev. f. *Phragmitis*. — In foliis vaginisque Phragmitis communis, Rhône (**T.** 5728). Asci $72-75 \approx 7-10$. Sporidia bacillaria continua $50-54 \approx 1,5-2$.
1862. *Lophodermium petiolicolum* Fuck. — In petiolis Fraxini (**Lb.** 110).
1863. *Lophodermium apiculatum* Duby. — In foliis graminum (**Lb.** 867).
1864. *Lophodermium juniperinum* (Fr.) — In foliis (**Lb.** 875).
1865. *Aylographum Hederæ* Lib. f. *Ilicis aquifolii*. — In foliis (**Lb.** 416).
1866. *Aylographum sarmentorum* De Not. f. *Rubi*. — In sarmentis (**Lb.** 414).
1867. *Lophium mytilinum* (Pers.) Fr. — In cortice Pini sylvestris (**Lb.** 167). Asci $140 \approx 9$; sporidia $120 \approx 1$.

Discomycetæ.

1868. *Peziza* (Crouania) *convexella* Karst. Myc. Fenn. I. 64. — Ad terram nudam in viis, Elbeuf (**M.** 275). Asci $240 \approx 18$ paraphysati; sporidia globosa, guttulata, lavia, hyalina, $16-17 \mu$. diam.
1869. *Peziza* (Scutellinia) *setosa* Nees. — In cortice dejecto Quercus, Fontainebleau (**T.** 5994). Asci $200-220 \approx 14-15$; sporidia ellipsoidea $14-18 \approx 10-12$; paraphyses tereti-clavulatae.
1870. *Peziza* (Humaria) *euchroa* Karst., Cooke Myc. fig. 27. — Ad terram subarenosam udam, S. Bels (Rhône) (**T.** 6589). Asci teretiussculi $120-160 \approx 12-13$, paraphysibus guttulatis obvallatis; sporidia oblongo-ellipsoidea, $14-18 \approx 7-8$, nucleata, hyalina.

1871. *Peziza* (Otidea) *leporina* Batsch. — Ad terram umbrosam (L. 1519).
1872. *Peziza* (Scutellinia) *pulcherrima* (Cr.) Cooke. — In fimo vaccino, socio *Ascobolo furfuraceo* Francheville (Rhône) (T. 6697).
1873. *Niptera caespiticia* (Karst.) Sacc. — In caulibus Humuli Lupuli (M. 274). Ascomata minuta, subhyalino-pallida, centro obscuriora; asci 36-40 \approx 3,5-4; sporidia teretiuscula, 6 \approx 1,5, hyalina.
1874. *Niptera cinerea* (Batsch.) Fuck. v. *canella* Karst. — In ramis dejectis Rouen (M. 237), Fontainebleau (T. 5987) — v. *albo-nigella*; ascomatibus suburceolatis, atris, albo-marginatis; ascis tereti-clavulatis, paraphysatis, 40-50 \approx 7; sporidiis distichis cylindraceis, curvulis v. rectis, 9-11 \approx 1,7-2, hyalinis. In caule Atriplicis (L. 1505) — v. *minutella*; ascomatibus dense gregariis, suberumpentibus, minutis, applanatis, griseis; ascis 36-40 \approx 5-6; sporidiis teretiusculis 7-8 \approx 1,5-2, hyalinis, rectiusculis. In caule Spirææ Ulmariae (L. 1485).
1875. *Niptera graminea* (Karst.) Sacc. — In foliis emarcidis Caricis ripariae (L. 1574). Asci teretiusculi, paraphysati, 90-100 \approx 7; sporidia bacillaria, leniter curva, 15-21 \approx 2-3, pluriguttata vel spurie septata hyalina.
1876. *Pyrenopeziza ligni* (Desm.) Sacc. — In ligno decorticato Castaneæ, S.^t Bonnet le froid (Rhône) (T. 6527).
1877. *Ciboria pseudo-tuberosa* Rehm Asc. n. 106, *Sclerotinia Batschiana* Zopf.; *Peziza glandicola* Doass. — In cotyledonibus putrescentibus Quercus (L. 1520). Asci cylindracei, paraphysati, octospori, 110-120 \approx 7-8; sporidia ellipsoidea, 9-10 \approx 4-5, hyalina.
1878. *Belonidium vexatum* De Not. — In calamis Junci conglomerati (L. 1587). Sporidia bacillaria, 40 \approx 2-3, hyalina.
1879. *Velutaria rufo-olivacea* (Alb. & Schw.) Fuck. Symb. myc. p. 300. — In sarmentis Rubi fruticosi emortuis (L. 1504). Asci tereti-fusoidei, para-

- physati, 144-150 \approx 10-14; sporidia ellipsoidea, 10-11 \times 6-7, hyalina.
1880. *Trichopeziza pulveracea* Fuck. — In caule *Spirææ Ulmariae* (L. 1487); in Helvetia (MORTIER): — var. *Pteridis* (M. 238).
1881. *Trichopeziza punctiformis* (Fr.) Fuck. — In foliis emortuis *Quercus*, Eure (M. 256).
1882. *Lachnella barbata* (Kunze) Fr. — In ramis corticatis *Xylostei* (T. 5824). Pili tereti-clavati, septati, fuliginei, 3,6-5 μ . diam.; asci cylindracei 80-90 \approx 3,6-4,5, octospori; sporidia oblique monosticha tereti-fusoidea 8-10 \times 2-2,5, triguttata, vel spurie biseptata.
1883. *Helotium nudipes* (Fuck.) Sacc. — Ad caules *Spirææ Ulmariae* putrescentes, in Helvetia (MORTIER n. 8 p. p.).
1884. *Helotium Scutula* (Pers.) Karst. **albidum* (Desm.) Karst. — In petiolis dejectis arborum (L. 1475^{bis}). Forma primaria in *Urtica* (L. 1506), *Teucrio* (L. 1561), *Geo* (L. 1507), *Spiræa* (L. 1573), *Rumice* (L. 1511).
1885. *Helotium amenti* (Batsch) Karst. f. *Alni*. — In fructibus *Alni glutinosæ* (L. 1583). Asci tereti-clavulati, paraphysati, 54 \times 5-6; sporidia oblongo-ellipsoidea, 6-8 \times 3-3,5, disticha, hyalina; ascomata stipitata, cinerea.
1886. *Helotium subtile* Fr. — In foliis dejectis *Abietis pectinatae* Eybens (Isère) (T. 5761).
1887. *Helotium* (*Lachnella*?) *papillare* (Bull.) Karst. — In cortice *Populi tremulae* (T. 6500).
1888. *Helotium* (*Pseudohelotium*) *scrupulosum* Karst. — In ligno decorticato *Carpini Fontainebleau* (T. 6289). Ascomata sessilia, suburceolata, perexigua, flavida, margine pallidiora, pruinoso-puberula; asci 35-38 \times 4, filiformi-paraphysati; sporidia 8, suballantoides, 4-6 \times 1, hyalina. — Var. *caulium*: ascis brevioribus et crassioribus, nempe 24-28 \times 5; sporidiis 5-6 \times 1,5-2. In caule *Spirææ Ulmariae* (L. 1484 M. 240).

1889. *Helotium citrinulum* Karst. — In vaginis cul-
misque Phragmitis communis putrescentibus (L.
1493, 1494). Ascomata sessilia, patellulata, integra, v.
subsinuosa, glabra, luteola, ceracella; asci teretiusculi
50-55 \approx 4-5, paraphysati, octospori; sporidia elongata,
curvula 8-9 \approx 2-2,5, hyalina.
1890. *Chlorosplenium æruginosum* (Oed.) De Not.
— In ligno putri, Le Sapey (Isère) (T. 5819). Asci
teretiusculi, 64-70 \approx 6-7, paraphysati, octospori; spo-
ridia oblique monosticha, subfusioidea, 11 \approx 3-3,5, hya-
lina, plasmate sæpe bipartito.
1891. *Pezicula carpinea* (Pers.) Tul. **tetraspora*:
asci cylindracei 120 \approx 20, brevissime stipitati, paraphy-
sati; sporidia quaterna, oblique monosticha, oblongo-
ellipsoidea, 24 \approx 12-14, granulosa, hyalina. In cortice
Carpini (G. n. 5).
- 1892. *Durella Lecideola* (Fr.) Sacc. *Peziza Lecideola*
Fr. **pithya*; ascomatibus in cortice interiore subdeal-
bato gregariis, minutis, patellatis, vix marginatis, 6,2
mill. lat. nigricantibus; ascis tereti-clavulatis, 80-90
 \approx 14-18, breve stipitatis, paraphysibus clavulatis ob-
vallatis, octosporis; sporidiis oblique monostichis, ob-
longo-fusioideis, curvulis, 25-30 \approx 6, spurie nucleato-
3-septatis, hyalinis. In cortice int. Pinorum, Fon-
tainebleau (T. 5945).
1893. *Durella melanochlora* (Somm.) Rehm. *Patellaria*
melanochlora (Somm.) Karst. Myc. Fenn. I. p. 233. **D.*
amplior: ascomatibus majusculis, 1-1,3 mill. lat. scu-
tellatis, margine elevato crenulato, nigris, disco atro-vi-
rente; ascis tereti-clavatis, 30-40 \approx 8-9, bacillari-pa-
raphysatis; sporidiis fusioideo-oblongis, 10-12 \approx 4-5,
tenuiter 3-septatis, non constrictis, hyalinis (fructifica-
tione jodii ope immutata). — In pagina interiore et ex-
teriore corticis emortui Pini, Le Sapey (Isère) (T.
5842).
1894. *Cenangium populinum* Tul. **C. Populorum*
Sacc. — Ascomatibus caespitose erumpentibus, compli-
catis, scutellatis, nigro-cinerascentibus; ascis octosporis
mox diffluentibus cylindraceis, breve crassiuscule stipi-

- tatis 60-70 \approx 6-7; sporidiis oblongis, utrinque abtutis, leniter curvulis 10-12 \approx 4-5, farcitis, hyalinis. — In cortice emortuo Populi tremulæ, Le Sapey (Isère) (T. 5804).
1895. **Stictis Saccardoi** Rehm. — In caule emortuo Solidaginis Virgaureæ, Lyon (T. 6267) et Eupatorii cannabini, S. Vallier (Drôme) (T. 5622). Sporidia 80-110 \approx 1-1,5, pluriguttulata.
1896. **Stictis radiata** Pers. — In ramis Rubi (L. 1503). Sporidia 120 \approx 2, pluriseptulata.
1897. **Calloria luteo-rubella** (Nyl.) Sacc. f. microspora; ascis 30-36 \approx 4-6; sporidiis 5-6 \approx 1-1,5. In lignis putrescentibus, Fontainebleau (T. 6025).
1898. **Calloria fusarioides** (Berk.) Tul. — In caule Urticæ putri, Genævæ Helvetiæ (T. 5571). Asci teretiusculi, breve-stipitati, 70-75 \approx 8-9, filiformi-paraphysati, octospori; sporidia disticha cylindracea utrinque rotundata, curvula, 15-16 \approx 3,5-4, spurie 3-septata, hyalina.
1899. **Coryne (Tremella) sarcoides** Fr. — In lignis putridis (L. 1580). Spermatia teretiuscula, perexigua, 2 \approx 0,5.
1900. **Dermatella Frangulæ** (Pers.) Karst. — In cortice Rhamni Frangulæ, Isère (T. 6498). Asci tereti-clavulati, 4-spori, 72-76 \approx 14-16, breve crassiuscule stipitati; sporidia submonosticha, oblonga, 18-24 \approx 7-8, 3-septata, non constricta, guttulato-submuriformia.
1901. **Exoascus Tosquinetii** (West.) Sacc. var. **strobiligena** Thuem. — In fructibus Alni glutinosæ, Le Sapey (Isère) (T. 6106).

Myxomycetæ.

1902. **Fuligo septica** Gm. — In quisquiliis (Lb. 405).
1903. **Chondrioderma spumarioides** (Fr.) Rost. — In caulibus (Lb. 389).
1904. **Chondrioderma Michellii** (Lib.) Rost. — In fo-

- liis putrescentibus Platani (T. 5661). Sporæ globosæ, subangulosæ, 7-9 μ . diam. violaceo-fusculæ, leves.
1905. *Comatricha Friesiana* de Bary. — In sarmentis emortuis Ruborum (T. 1525); in lignis (Lb. 383).
1906. *Didymium farinaceum* Schrad. — In sarmentis emortuis Ruborum (T. 1527). — In caulibus (Lb. 381, 467, 464).
1907. *Didymium microcarpum* (Fr.) Chev. — In acubus Pinorum (Lb. 466).
1908. *Lamproderma columbinum* Rost. **melanoccephalum* Corda (Physarum). — In muscis (Lb. 386).
1909. *Trichia chrysosperma* (Bull.) DC. — In corticibus (Lb. 382, 384) **turbinata* (Lb. 1010).
1910. *Hemiarcyria rubiformis* (Pers.) Rost. — In corticibus fagineis putridis (Lb. 1009).
1911. *Craterium leucocephalum* Ditm. — In foliis etc. (Lb. 388).

Sphæropsideæ.

1912. *Phoma entomogenea* Sacc. & Penz. — Peritheciis sparsis, erumpentibus, globulosis, nigris, obtusis, $\frac{1}{4}$ mill. diam.; spermatiis ellipsoideo-oblongis, rectiusculis, 7-8 \approx 3, 2-guttatis, hyalinis; basidiis subnullis.
- Hab.* in foliis ab insectis monstrose transformatis, Le Sapey (Isère) (T. 5822).
1913. *Phoma aquilina* Sacc. et Penz. — Peritheciis gregariis, subcutaneis, sed parum prominulis, e globoso compressiusculis, vix papillatis, $\frac{1}{6}$ mill. diam.; spermatiis subellipsoideis, 3,6-4 \approx 2-2,5, eguttulatis, hyalinis, basidiis subnullis.
- Hab.* in caule Pteridis aquilinæ submortuo (T. 6000).
1914. *Phoma* (Diaporthe) *conorum* Sacc. — Peritheciis gregariis innato-erumpentibus, globoso-depressis, subastomis, nucleo griseo; spermatiis fusoides, rectis 10-14 \approx 2-2 $\frac{3}{4}$, 1-guttulatis, hyalinis, basidiis uncinatis, 24 \approx 1 suffultis. — Spermogonium *Diaporthes conorum*. In squamis conorum Abietis (Lb. 291, 295).

1915. **Phoma** (Diaporthe) **controversa** (Nits.) — In ramis *Fraxini excelsioris* (B. 153). Perithecia gregaria, subtectata, intus grisea; spermatia fusioidea, $7-8 \approx 2-2\frac{1}{4}$, hyalina 2-guttulata; basidia curvula, $12 \approx 1$.
1916. **Phoma** (Diaporthe) **putator** (Nits.). — In ramis corticatis *Populi* (Lb. 227). Spermatia $9-10 \approx 2\frac{1}{2}$, biguttulata, basidiis bacillaribus $8 \approx 1\frac{1}{2}$ suffulta.
1917. **Phoma** **labens** Sacc. — In ligno quercino (Lb. 719). Spermatia $4 \approx 1$, basidiis $8 \approx 1$ suffulta; *Sphaeria seriatae* Pers. affinis.
1918. **Phoma** (Diaporthe) **nobilis** Sacc. — Peritheciis gregariis globuloso-depressis, suboblongis, subgriseis, tectis; spermatiis oblongo-fusioideis, rectiusculis, $8-10 \approx 3-4$, hyalinis; basidiis bacillaribus, $8 \approx 1,5$.
Hab. in ramis corticatis *Lauri nobilis* (B. 46).
1919. **Phoma** (Diaporthe) **Cichoriacearum** Sacc. — Peritheciis gregariis, epidermide velatis, prominulis, globoso-suboblongis, obtusis, atris; spermatiis fusioideo-oblongis, $10 \approx 3,5$, 2-guttulatis, hyalinis.
Hab. in caulibus emortuis *Crepidis* (Mb. n. 199).
1920. **Phoma** (Diaporthe) **Achilleae** Sacc. — Peritheciis laxe gregariis, epidermide initio velatis, globoso-oblongis, obtusis, atris; spermatiis elliptico-fusioideis, $9-10 \approx 3,5-4$, biguttatis, hyalinis.
Hab. in caulibus emortuis *Achilleae Millefolii* (Mb. n. 194). Verisimiliter spermogonium *Diaporthis orthoceratis* f. *Achilleae*.
1921. **Phoma** **Clematidis** Sacc. — Peritheciis subgregariis punctiformibus, nigris, epidermide initio velatis; spermatiis cylindraceo-oblongis, curvulis, $14 \approx 4$.
Hab. in ramulis petiolisque *Clematidis*, Elbeuf près Ronen (Mb. n. 223).
1922. **Phoma** **lirelloides** Sacc. & Penz. — Peritheciis subparallelis, oblongis, subhysterioideis, minutis, cortice secedente liberatis, basi ligno infossis; spermatiis tereiusculis, curvulis, utrinque rotundatis, $5 \approx 2$, hyalinis; basidiis spermatio brevioribus clavulatis, hyalinis.
Hab. in ramis dein decorticatis *Evonymi japonici* (L. 1443).

1923. *Phoma vaginæ* Sacc. — In vaginis emortuis *Phragmitis communis* (T. 6603). Spermatia oblongo-ellipsoidea, 10–15 \times 2, hyalina; basidia bacillaria sublongiora; perithecia laxa gregaria, tecta, globoso-depressa, $\frac{1}{4}$ mill. diam., ostiolo vix erumpente. An huc spectet *Sphaeropsis vaginæ* Rabh. nescio.
1924. *Phoma strobilina* Desm. — In conis *Abietis* (Lb. 762) **Ph. accedens*; a typo differt spermatiis paulo minoribus, nempe 8–11 \approx 2–2 $\frac{1}{2}$. Ibidem (Lb. 448, 268).
1925. *Phoma Saxifragarum* Sacc. & Roum. — Peritheciis gregariis, innato-erumpentibus, punctiformibus, globulosis, pertusis, spermatiis oblongis, utrinque obtusiusculis, 6–7 \approx 2 $\frac{1}{2}$, interdum medio subconstrictis, biguttulatis, hyalinis. — In foliis languidis præcipue ad nervos *Saxifragæ crassifoliæ* (Lb. 304).
1926. *Phoma endogena* Speg. — In seminibus *Castaneæ vescæ* putrescentibus, socia *Mycogena cervina* (T. 5461, 5462).
1927. *Phoma galbulorum* Sacc. & Therr. — Peritheciis sparsis, innato-erumpentibus, globuloso-depressis, minutis, ostiolo obtuso; spermatiis oblongo-subfusoides, 7–7,5 \approx 2,5–3, hyalinis; basidiis spermatio subduplo longioribus, bacillaribus, fasciculatis.
Hab. in fructibus (galbulis) *Juniperi Oxycedri* Ruoms (Ardèche) (T. 5539).
1928. *Phoma Pulvis-pyrius* Sacc. — In ligno decor-ticato et putri *Robiniaæ*, Ecully (Rhône) (T. 6084).
1929. *Phoma Equiseti* Desm. — In ramulis *Equiseti limosi*, Genevæ Helvetiæ (T. 5602).
1930. *Phoma* (Diaporthe) *Convallariæ* West. — In caule emortuo *Polygonati vulgaris* (L. 1588). Perithecia oblonga, intus subgrisea; spermatia oblonga, utrinque rotundata, 9–10 \approx 3, hyalina.
1931. *Phoma* (Diaporthe) *Tecomæ* Sacc. — In sarmentis emortuis *Tecomæ radicans* (L. 1562).
1932. *Phoma* (Diaporthe) *thalictrina* Sacc. & Malbr. — Peritheciis gregariis, subcutaneis, globoso-oblongis; spermatiis ovato-oblongis, 6–7 \approx 3–3,5, 2-guttatis, hyalinis.

Hab. in caule *Thalictri aquilegifolii* emortui (M. 255). A *Phoma exigua* Desm. prorsus differre videtur.

1933. *Phoma* (Diaporthe) *sarmentella* Sacc. — Peritheciis gregariis, subcutaneis, oblongis, atris; spermatis tereti-fusoideis, hyalinis curvulis, obtusis $5-6 \approx 2-3$; basidiis bacillaribus spermatio subduplo longioribus.

Hab. in sarmentis Humuli (M. 264 et 278). Spermogonium, ut videtur, *Diaporthes sarmenticiæ* Sacc.

1934. *Phoma* *Niesslii* Sacc. — Peritheciis dense gregariis, subepidermicis, globoso-depressis, pertusis; spermatis oblongo-clavulatis, $6 \approx 3$, biguttulatis, hyalinis.

Hab. in caule *Gentianæ luteæ*, Le Sapey (Isère), socia *Venturia Niesslii* Sacc., cujus forte spermogonium (T. 5853).

1935. *Phoma* *ilicella* Sacc. & Penz. — Peritheciis hypophyllis, gregariis, epidermide velatis, globoso-depressis, $\frac{1}{5}$ mill. diam., late pertusis, contextu parenchymatico ochraceo-fusco; spermatis oblongis, utrinque rotundatis oblongis, 2-4-guttulatis v. nubilosis, 20-26 \approx 6-7, hyalinis; basidiis subnullis.

Hab. in foliis emortuis Ilicis Aquifolii, Le Sapey (Isère) (T. 5795). Perithecia subinde imperfecta et tunc ad *Glæosporium* vergentia.

1936. *Phoma* *phyllostictea* Sacc. & Penz. — Peritheciis gregariis epidermide velatis, globoso-lenticularibus, 100-110 μ . diam., pertusis; spermatis perexiguis, oblongo-teretiusculis, utrinque rotundatis subrectis, 3,5 \approx 1,5, hyalinis.

Hab. in caule *Ballotæ* putrescente, Alais (bords du Gardon) (T. 5564).

1937. *Phoma* *minutella* Sacc. & Penz. — Peritheciis gregariis, epidermide velatis fere punctiformibus, pertusis; spermatis allantoideis perexiguis, 4-5 \approx 0,7-1, hyalinis, curvulis.

Hab. in caulibus *Phaseolorum* in cultis, Eure (M. 186 p. p.) socia *Hendersonia hortensi*.

1938. *Phoma* *pterophila* (Nits.) Fuck. — In samaris Fraxini, Ecully (Rhône) (T. 5717).

1939. *Dendrophoma eumorpha* Sacc. et Penz. — Peritheciis subsuperficialibus, globosis, papillatis, dein collabascendo umbilicatis, nigris, nitidulis, $\frac{1}{2}$ mill. diam., membranaceo-carbonaceis; spermatis teretiusculis, subrectis, perexiguis, $2,5-3 \approx 0,5-0,7$; basidiis vage ramulosis, denticulatisque, filiformibus, septulatis, spermatio multoties longioribus.

Hab. in parte interiore corticis Pinorum Le Sa-
pey (Isère) (T. 5846).

1940. *Dendrophoma orientalis* Sacc. & Penz. — Peritheciis laxe gregariis, globoso-depressis, $\frac{1}{4}$ mill. diam., pertusis, epidermide velatis; basidiis fasciculatis, sursum vage v. subverticillato-ramosis, $15-20 \approx 1-1,5$; spermatis cylindraceis, utrinque rotundatis, $3,5-4 \approx 0,5-1$, hyalinis, plerumque rectis.

Hab. in ramulis Kerriæ japonicæ, Brionne
(M. 258).

1941. *Dendrophoma hormococcoides* Sacc. & Penz. — Peritheciis sparsis, globulosis, subsuperficialibus, $\frac{1}{4}-\frac{3}{4}$ mill. diam., atris; contextu prosenchymatico sursum evanescente, ortiolumque amplum limitante; basidiis prælongis dense fasciculatis $70-100 \approx 0,5-1$, pluries striete furcatis, apice truncatis hyalinis; conidiis acrogenis teretiusculis, utrinque rotundatis v. subtruncatis, rectiusculis, $3,6-4 \approx 1$, eguttatis, hyalinis.

Hab. in culmo inundato Phragmitis sub cortice et in pariete interiore (T. 6306). Ad *Hormococcum* vere nutat.

1942. *Dothiorella pithyophila* Sacc. & Penz. — Cæspitulis cortice fisso erumpentibus v. in cortice interiore subsuperficialibus, pulvinatis, depressis, 1-2 mill. diam., intus et extus nigricantibus, superficie (e peritheciis densis minutis) verruculosis; spermatis cylindraceis utrinque rotundatis, rectiusculis, $7-10 \approx 2,8$, hyalinis; basidiis dense fasciculatis brevibus, bacillariibus e strato prolifero crassiusculo subalbo oriundis.

Hab. in parte interiore corticis Pinorum, Le Sa-
pey (Isère) (T. 5847 et 5844). Videretur forma peculiaris *Fusicocci bacillaris*.

1943. *Dothiorella advena* Sacc. — Peritheciis in cespites dothideaceos nigros collectis, intus albis, erumpentibus; spermatiis elongato-fusoideis, $50 \approx 8-10$, rectiusculis, nubiosis, hyalinis, basidis bacillaribus, $30-35 \approx 1\frac{1}{2}$, suffultis. In ramis quercinis (**Lb.** 768). Spermogonium *Botryosphæriæ advenæ*.
1944. *Phyllosticta erysiphoides* Sacc. — Peritheciis gregariis in pag. inf. dealbata, subinnatis, hemisphaericis, 110 μ . diam., pertusis; spermatiis oblongis, utrinque obtusis, $4-4,5 \approx 2,5$, hyalinis.
Hab. in foliis *Tecomæ radicans*, Saintes (**B**). Spermogonium *Sphaerella erysiphoidis* Sacc.
1945. *Phyllosticta betulina* Sacc. — In foliis laguidis *Betulae albæ* (**L.** 1428).
1946. *Phyllosticta filipendulina* Sacc. & Sp. — * **Ulmariæ**. — In foliis *Spirææ Ulmariae* (**L.** 1482).
1947. *Phyllosticta Evonymi* Sacc. & Sp. — In foliis *Evonymi europæi* (**L.** 1542).
1948. *Phyllosticta acorella* Sacc. & Sp. — Maculis oblongis deustis; peritheciis amphigenis, gregariis, punctiformibus, fusco-nigris; spermatiis cylindraceis, utrinque subincrassatis (ossiformibus), perexiguis, $3,5-4 \approx 1-1,5$.
Hab. in foliis languidis *Acori Calami* (**T.** 6256).
1949. *Phyllosticta Hederæ* Sacc. & Roum. — Peritheciis epiphyllis, late et dense gregariis (in partibus arecentibus), lenticularibus, 130 micr. diam., pertusis; spermatiis minutissimis, oblongis, $4 \approx 1$, hyalinis. — In foliis *Hederæ Helicis* (**Lb.** 705) socia *Phoma cylindrospora*.
1950. *Phyllosticta fallax* Sacc. & Roum. — Peritheciis in maculis minutis dealbatis sparse innatis, epiphyllis, lenticularibus, pertusis 100 micr. diam.; spermatiis oblongo-ellipsoideis, $5-6 \approx 3-3\frac{1}{4}$, chlorinis. — In foliis *Aceris Pseudoplatani* (**Lb.** 6). — A *Ph. Pseudoplatani* Sacc. spermatiis chlorinis mox dignoscitur.
1951. *Phyllosticta Populorum* Sacc. & Roum. — Peritheciis epiphyllis in partibus adhuc vivis gregariis, tectis, lenticularibus, 80 micr. diam., late pertusis, con-

textu laxe celluloso, subochraceo; spermatis oblongis, sæpe curvulis, 6-7 \approx 3, 2-guttatis, hyalinis. — In foliis Populi balsamiferæ (**Lb.** 341).

1952. *Phyllosticta Angelicæ* Sacc. Peritheciis maculiformi-aggregatis, lenticularibus, pertusis 80-90 micr. diam., laxe contextis; spermatis oblongis minutissimis 4-5 \approx 1 hyalinis. — In foliis Angelicæ sylvestris, Spermogonium *Phyllachoræ Angelicæ* (Fr.) Fuck. (**Lb.** 359).

1953. *Ascochyta graminicola* Sacc. — In foliis Anthoxanthi, Poæ (**T.** 5733. **L.** 1497). **ciliolata*: spermatis utrinque obsolete penicillatis, 18-20 \approx 3 $\frac{1}{2}$ -4, hyalinis, uniseptatis; peritheciis pertusis 110-120 micr. diam., fuligineo-contextis. In foliis graminum (**Lb.** 93). An Darluca?

1954. *Ascochyta phyllachoroides* Sacc. & Malbr. — Peritheciis in macula stromatica nigra hinc inde gregariis, punctiformibus innatis; spermatis oblongis, 18-20 \approx 5-6, uniseptatis, loculo inferiore paulo tenuiore, hyalinis.

Hab. in utraque pag. foliorum graminum languidorum, Elbeuf (**M.**).

1955. *Ascochyta volubilis* Sacc. & Malbr. — Peritheciis gregariis, globoso-lenticularibus, nigricantibus, punctiformibus, epidermide initio velatis; spermatis oblongo-ellipsoideis, utrinque rotundatis, dein continuis, dein medio septatis, 8-10 \approx 3-4, hyalinis.

Hab. in caule Polygoni Convolvuli (**M.** 209).

1956. *Ascochyta densiuscula* Sacc. & Malbr. — Peritheciis dense gregariis, subcutaneis, punctiformibus, nigris; spermatis anguste oblongis, utrinque obtusiusculis, medio septatis leniterque constrictis, 9-12 \approx 3,5, hyalinis.

Hab. in ramulis Sarothamni scoparii (**M.** 239).

1957. *Ascochyta anethicola* Sacc. — Peritheciis gregariis innato-erumpentibus, prominulis, exiguis, $\frac{1}{6}$ mill. diam.; spermatis cylindraceo-oblongis, utrinque obtusiusculis, 8-10 \approx 3,5-4, initio continuis, dein 1-septatis, hyalinis.

Hab. in foliolis languidis *Anethi* prope Rouen (Mb. 207).

1958. *Ascochyta tenerrima* Sacc. & Roum. — Maculis subcircularibus olivaceis, brunneo-marginatis; peritheciis epiphyllis, lenticularibus 130 micr. diam., pertusis, contextu areolato tenerrimo; spermatis oblongis, utrinque rotundatis, medio subconstrictis obsoleteque septatis $9-11 \times 3-4$, hyalinis. — In foliis *Lonicerae tartaricae* (Lb. 21). *As. sarmenticia* Sacc. valde differt.

1959. *Ascochyta teretiuscula* Sacc. & Roum. — Maculis nullis; peritheciis innatis, punctiformibus, pertusis, 100–110 micr. diam.; spermatis cylindraceis utrinque rotundatis, $10-14 \times 2\frac{1}{2}$ uniseptatis, vix constrictis, hyalinis. — In foliis *Luzulae* (Lb. 54).

1960. *Diplodia Lycii* Fuck. **D. lyciella*. — Peritheciis subsparsis, globosis, breve papillatis, erumpentibus, $\frac{1}{2}$ mill. diam.; stylosporibus ovato-oblongis, $25 \approx 10-12$, 1-septatis, vix constrictis, fuliginosis; basidiis bacillaribus, hyalinis.

Hab. in ramulis corticatis *Lycii barbari*, Saintes (B.).

1961. *Diplodia atrata* (Desm.) Sacc. — In ramis *Aceris Negundinis* emortuis (L. 1571 et verisimiliter quoque 1469).

1962. *Diplodia faginea* Fr. — In cortice ramorum *Fagi sylvaticae* (M.).

1963. *Diplodia Quercus* Fuck. — In ramis corticatis *Quercus* (T. 5671).

1964. *Diplodia Spegazziniana* Roum. & Sacc. — Peritheciis gregariis v. hinc inde subaggregatis, subcutaneo-erumpentibus, $\frac{1}{2}$ mill. diam., globoso-depressis, vix papillatis, atris; stylosporibus ellipsoideis, utrinque rotundatis, $21-23 \approx 10-12$, constricto-1-septatis, fuliginosis; basidiis teretibus, $8-10 \approx 3-3.5$, hyalinis.

Hab. in ramis corticatis emortuis *Poincianae pulcherrimae* e Rio de la Plata in hortis Toulouse cultae (ROUMEGUERE n. 1).

1965. *Diplodia buxicola* Sacc. — In ramis corticatis *Buxi sempervirentis*, Toulouse (ROUMEGUERE).
1966. *Diplodia clandestina* Mont. f. *foliorum*, minor. — In foliis *Rhamni Alaterni*, in Gallia merid. (ROUMEGUERE, 8 A.). Stylosporæ constricto-didymæ fuliginæ, 20-22 \approx 8.
1967. *Diplodia Cratægi* West. — In ramis *Cratægi Oxyacanthæ* (T. 6264).
1968. *Diplodia quercella* Sacc. & Penz. — Peritheciis subsuperficialibus, sparsis, globosis, papillatis, minutulis, atris; stylosporibus oblongis, 1-septatis, lenissime constrictis, 18-19 \approx 7-9, fuliginibus; basidiis teretiusculis, hyalinis, 15-16 \approx 2-2.5.
Hab. in ligno denudato putrescente *Quercus* (T. 5518).
1969. *Diplodia subtectæ* Fr. — In ramis acerinis (Lb. 151).
1970. *Diplodia Pruni* Fuck. **Padi* — In ramis *Pruni Padi* (Lb. 134, 135). Stylosporæ 22 \approx 8, 1-septatæ, vix constrictæ, fuliginæ, hyalino-stipitatæ.
- 1971 *Diplodia conigera* Desm. — In conis *Abietis* (Lb. 636).
1972. *Diplodia ditior* Sacc. & Roum. — Peritheciis late gregariis, subcutaneo-erumpentibus, globulosis, papillatis; stylosporibus oblongo-didymis, 25-30 \approx 10-12, leniter constrictis, fuliginibus, hyalino-stipitatis. — In ramis corticatis *Platani orientalis* (Lb. 425, 426).
D. paupercula B. et Br. stylosporibus minutis differt.
1973. *Diplodia Staphyleæ* Sacc. et Penz. — Peritheciis gregariis, globoso-depressis, obtusis, subcutaneis, ostiolo vix erumpente, $\frac{1}{5}$ mill. diam.; stylosporibus oblongis, uniseptatis, vix constrictis, 25-27 \approx 10-11, utrinque rotundatis, guttulatis, fuliginibus.
Hab. in ramulis corticatis *Staphyleæ pinnatæ* (B. 5).
1974. *Diplodia Rusci* Sacc. & Th. — Peritheciis late gregariis, $\frac{1}{6}$ mill. diam. subcutaneis, globulosis, ostiolo vix erumpente; stylosporibus oblongis, uniseptatis, leniter constrictis, utrinque obtusiusculis, 8-10 \approx 5-6, fuliginibus.

Hab. in caule emortuo *Rusci aculeati*, St. Valier (Drôme) (T. 5625).

1975. *Coniothyrium australe* Sacc. **Tiliæ*. — Peritheciis dense gregariis subcutaneis; spermatis late ovatis, 12-14 \approx 7-9, uniguttatis, fuligineo-atris.

Hab. in ramis *Tiliæ europææ* (L. 1470).

1976. *Coniothyrium hortense* Sacc. & Malbr. — Peritheciis dense gregariis, subcutaneis, globuloso-depressis, punctiformibus, 80-100 μ . diam., pertusis, ostiolo vix erumpente; spermatis ellipsoideis, 12-14 \approx 7-8, continuis, atrofuligineis.

Hab. in caulibus emortuis *Pisorum* (M. 219).

1977. *Coniothyrium cæspitosum* Sacc. — In ramulis *Tamaricis* emortuis (T. 5575, 5577, 5579).

1978. *Coniothyrium sylvaticum* Sacc. & Malbr. — Peritheciis sparsis, innatis, suberumpentibus, globulosis, $\frac{1}{5}$ mill. diam., ostiolo brevi obtuso; spermatis globuloso-ellipsoideis 3,6-4,5 μ . d. fuligineis, uniguttatis.

Hab. in caulibus *Euphorbiæ sylvaticæ*, Elbeuf (M. 248).

1979. *Coniothyrium conorum* Sacc. & Roum. — Peritheciis gregariis innato-erumpentibus, globulosis, 300 μ . diam., minute pertusis; spermatis globoso-ellipsoideis, 7-9 \approx 5 $\frac{1}{2}$ -6 $\frac{1}{2}$, ochraceo-fuligineis, 1-guttatis. — In squamis conorum *Abietis* (Lb. 275).

1980. *Coniothyrium sublineatum* Sacc. & Malbr. — Peritheciis secus angulos caulium subseriatis, globulosis, subcutaneis, nigris, $\frac{1}{6}$ mill. diam., ostiolo obtusiusculo, erumpente; spermatis oblongis vel subfusoides utrinque acutiusculis, 12-13 \approx 3,5-4, fuligineis.

Hab. in ramulis *Sarothamni scoparii* emortuis, Brionne (M. 261).

1881. *Septoria Melianthi* Sacc. — Maculis subcircularibus, crebris, minutis, ochraceis, atrocinctis; peritheciis amphigenis, parvis, globulosis, obtuse papillatis, prominulis. 110-120 μ . diam.; spermatis bacillaribus, curvulis, utrinque acutiusculis, 40-50 \approx 3, spurie 3-septatis, hyalinis.

Hab. in foliis languidis *Melianthi* culti, Mortagne sur Gironde (**B.**).

1982. *Septoria pleosporoides* Sacc. — In caule *Chærophylli temulenti* (**L.** 1554).

1983. *Septoria Ascochyula* Sacc. Peritheciis hypophyllis, hinc inde dense maculiformi-aggregatis, globoso-laticularibus, 70–80 μ . diam., pertusis, epidermide velatis; spermatis tereti-fusoideis, 20–25 \times 2–2,5, utrinque obtusiusculis, 1-septatis, haud constrictis, hyalinis.

Hab. in foliis languidis *Rhamni Alaterni* in Gallia meridionali (**ROUMEGUERE**, n. 8 **B.**).

1984. *Septoria Epilobii* West. — In foliis *Epilobii* hirsuti et montani (**Lb.** 15).

1985. *Septoria stemmatea* (Fr.) Berk. — In foliis *Vaccinii Vitis-ideæ* (**Lb.** 758).

1986. *Septoria Hederæ* Desm. — In foliis *Hederæ* (**Lb.** 370).

1987. *Septoria conigena* Sacc. & Roum. — Peritheciis gregariis erumpentibus, globoso-deplanatis, astomis, 140–150 micr. diam., contextu minute parenchymatico, olivaceo-fusco; spermatis bacillari-acicularibus 50–75 \times 1 $\frac{3}{4}$ –2 $\frac{1}{2}$, pluriguttulatis, hyalinis, e strato proligerolutescente per basidia brevissima oriundis. — In squamis conorum *Abietis excelsæ* (**Lb.** 274, 281).

1988. *Septoria Brissaceana* Sacc. & Let. — Maculis minutis subochraceis, atro-marginatis; peritheciis epiphyllis, punctiformibus, nigricantibus, minute pertusis; spermatis filiformibus, utrinque attenuatis, flexuosis, v. curvulis, continuis, guttulatis, 28–36 \times 1–1,5, hyalinis.

Hab. in foliis languidis *Lythri salicariæ* (**L.** 1651). — Species illustrissimo Comiti DE BRISSAC (cujus benignitate sylvula Quevillensis cryptogamis ditissima botanicæ scientiæ semper patet) jure meritoque dicata.

1989. *Septoria Lachastreana* Sacc. & Let. — Maculis minutis dealbatis, fusco-marginatis; peritheciis epiphyllis perexiguis, globulosis, parvis, pertusis, 70 μ . diam.; spermatis bacillaribus tenuiter 3-septatis, 36–50 \times 1,5, rectis v. curvulis, hyalinis.

- Hab.* in foliis languidis *Althææ officinalis* (L. 1657, 1672). — Species in honorem beatæ Comitissæ DE MONTMORENCY-LACHASTRE sylvulæ Quevillensis jam possestricis jure meritoque nuncupata.
1990. *Septoria Saponariæ* (DC.) Sacc. & Becc. **Silenes inflatæ*. In foliis ejusdem languidis, Malesherbes (T. 6059). — Spermatia 40-50 \approx 3-5.
1991. *Septoria Stachydis* Rob. & Desm. — In foliis *Stachydis sylvaticæ* (L. 1578). — Spermatia bacillaria, 30-40 \approx 1,7-2, subcontinua, hyalina.
1992. *Septoria Pseudoplatani* Rob. & Desm. — In foliis subviviis *Aceris Pseudoplatani*, sæpius epiphylla (L. 1664). — Maculæ subochraceæ; perithecia latiuscule aperta; spermatia bacillaria, curvula, 45-55 \approx 3, 3-septata, hyalina; cirrhi albid.
1993. *Septoria phomatoides* Sacc. **brachyspora*: spermatiis quam in typo brevioribus, nempe 10 \approx 1-1,5, guttulatis, hyalinis. — In caule *Thesii humifusi*, Dessenès (T. 5729).
1994. *Septoria arundinacea* Sacc. — In foliis languidis graminum majorum (T. 5988). — Spermatia 50-55 \approx 4-7, 10-15 guttulato-septulata, hyalina, in cirrhum pallide carneolum denique expulsa.
1995. *Septoria Phragmitis* Sacc. **minor*: spermatiis 15-18 \approx 1. — In foliis graminum minorum, Elbeuf (M. 267).
1996. *Fusicoccum castaneum* Sacc. — Stromatibus pulvinatis erumpentibus, rufescentibus, intus varie locellatis, pallidioribus; spermatiis fusoides, rectis, 6,5-8 \approx 2-2,5, sæpius biguttulatis, hyalinis; basidiis fasciculatis acicularibus, 7-10 \approx 1,5, hyalinis.
- Hab.* in cortice *Castaneæ vescæ* emortuo, Eybens (Isère) (T. 5750). Status spermogonicus *Diaporthes castaneæ* (Tul.) Sacc.
1997. *Fusicoccum pithyllum* Sacc. & Penz. — Stromatibus innato-subsuperficialibus, gregariis, pulvinatis, atris, $\frac{1}{2}$ -1 mill. diam., vertice verruculosus, denique collapsus, intus subfaretis, griseis, spurie plurilocellatis; spermatiis fusoides, curvulis, utrinque acutiusculis, 14-15

$\approx 1,5-2,5$, hyalinis; basidiis fasciculatis, acicularibus, spermatia subæquantibus.

Hab. in cortice emortuo relaxato Pinorum, Le Sapey (Isère) (T. 5839, 5837).

1998. **Fusicoccum bacillare** Sacc. & Penz. — Stromatibus gregariis, e basi suboblongis, conicis, innatis, tumidulis, $\frac{3}{4}-1$ mill. lat., nigris, intus griseis, spurie plurilocularibus disco minuto albo-furfuraceo; spermatiiis tereti-bacillaribus, subrectis, $14-15 \approx 2$, utrinque obtusis, hyalinis; basidiis cylindraceis brevibus e basi prolifera filamentis reticulato-intricatis hyalinis contexta oriundis. — Var. **dolosa**: stromatibus e situ superficiali disco albo carentibus, hinc habitu a typo diversissimis; ceteris iisdem.

Hab. in cortice interiore Pinorum, Le Sapey (Isère) (T. 5843 et 5848). — T. 5840 mihi videtur ejusdem speciei forma sclerotioidea, seu non fructificans.

1999. **Cytispora duriuscula** Sacc. — Stromatibus conico-pulvinatis, 1 mill. diam., (excepto disco) tectis, v. cortice secedente subsuperficialibus, fuscis, disco minuto albo-pruinoso, intus pallidioribus, spurie plurilocularibus; spermatiiis allantoideis, leniter curvis, $2,5-3 \approx 0,5-1$, hyalinis; basidiis bacillaribus paulo longioribus.

Hab. in cortice Fagi emortuo, Lyon (T. 6260, 6261). Species elegans et distincta, forte sistens statum spermogonicum *Valsæ duriusculæ*.

2000. **Cytispora leucosperma** Fr. f. **Aceris campestreis**. — In ejusdem ramis corticatis (T. 5517). Stromata subunilocularia, sed majuscula et sinuosa; spermatia allantoidea, $3,5-4 \approx 0,5-1$; basidia verticillato-ramosa, longiuscula.

- 2001 **Cytispora pustulata** Sacc. & Roum. — Conceptaculis, plurilocularibus, intus griseis, subcutaneo-erumpentibus, spermatiiis allantoideis, $4-4\frac{1}{2} \approx \frac{3}{4}$, curvulis, hyalinis. In ramis corticatis fagineis (B. 203). Spermogonium, ut videtur *Valsæ pustulatæ*.

2002. **Cytispora leucostoma** (Pers.) Sacc. — In cortice Padi (Lb. 133).

2003. **Cytispora quercina** West. — In ramulis corti-

- catis quercinis (M. 189). Spermatia teretiuscula, subrecta, 3×1 , hyalina; basidia fasciculata, subfurcata, spermatiis longiora.
2004. *Cytispora Rosarum* Grev. — In ramulis Rosæ caninæ emortuis (M. 270). — Spermatia allantoidea, $5-6 \approx 1.5$, hyalina.
2005. *Cytispora Laurocerasi* Fuck. *ramulorum. — In ramulis Laurocerasi (L. 1471) — *foliorum. In foliis petiolisque Laurocerasi (M. 245). In utraque forma spermatia allantoidea, $5-6 \approx 1$, basidiis breviusculis ramulosis suffulta.
2006. *Micropera Sorbi* (Lib.) Sacc. (vix *M. Sorbi* Thüm. Rel. Lib. pag. 189 Hedw. 1880, quæ spermatia $3-4 \times 1-1\frac{1}{2}$ gerit!). — Peritheciis (spuriis) laxè gregariis, erumpentibus, globoso-depressis; spermatiis fusoides utrinque acutis, curvulis $15-16 \times 1\frac{3}{4}-2$, hyalinis, basidiis verticillato-ramosis $20-25 \times 2\frac{1}{2}$ suffultis, strato sporigero fusco-violaceo. — In ramis corticatis Sorbi (Lb. 669). — Sec. Fuck. pycnidium est *Cenangii inconstantis* (Fr.).
2007. *Micropera betulina* Sacc. & Roum. — Peritheciis (spuriis) laxè gregariis, cortice nidulantibus et vix erumpentibus globulosis nucleofarcto; spermatiis fusoides, rectiusculis utrinque, obtuse attenuatis, $18-20 \times 3$, hyalinis, basidis simpliciter v. bis dichotome ramosis $30-35 \approx 2-3$ suffultis. — In cortice Betulæ (Lb. 119). Prob. pycnidium cujusdam *Cenangii*.
2008. *Sphæronema? Mougeotii* (Fr.) Sacc. *Sphæria Mougeotii* Fr. *Sphæronema Hederæ* Fuck. — In cortice Hederæ (Lb. 724). — Spermatia allantoidea $3 \approx 1$, hyalina.
2009. *Sirococcus conorum* Sacc. & Roum. — Peritheciis gregariis subsuperficialibus, globoso-lenticularibus, $\frac{1}{3}-\frac{1}{2}$ mill. diam., nigris, intus niveis, astomis, contextu minute parenchymatico, fuligineo; spermatiis globosis $2-2\frac{1}{4}$ micr. diam., 1-guttatis, hyalinis e basidiis cylindræis 20×2 , hyalinis, catenulatim oriundis. — In squamis conorum Abietis (Lb. 276). — Genus *Sirococcus* Preuss, reformatum, sic definiatur. Pe-

rithecium completum, subcarbonaceum; spermatia subglobosa, catenulata e basidiis filiformibus oriunda. Quibus notis facile ab *Hormococco* et *Trullula* dignoscitur.

2010. *Hendersonia* (Stagonospora) *hortensis* Sacc. & Malbr. — Peritheciis gregariis, epidermide velatis, globoso-lenticularibus, $\frac{1}{4}$ mill. diam., tenui-membranaceis, latiuscule pertusis; stylosporibus cylindraceo-oblongis, leniter curvulis, utrinque rotundatis, 4-guttulatis, denique 3-septatis, haud constrictis, 18–22 \approx 7, hyalinis.

Hab. in caulibus Phaseolorum in cultis (M. 186 p. p.).

2011. *Hendersonia* (Stagonospora) *Malbrancheana* Sacc. — Peritheciis gregariis, epidermide pustulatim tumidula velatis, globoso-hemisphaericis, atris, $\frac{1}{3}$ mill. diam., ostiolo obtusiusculo vix erumpente; stylosporibus ellipsoideo-oblongis, utrinque rotundatis, 20 \approx 7–8, 3-septatis, non constrictis, hyalinis.

Hab. in sarmentis Rosæ caninæ (M. 268).

2012. *Hendersonia occulta* (Lib.) Fr. *Sphaeria occulta* Lib. nec Fr. — Peritheciis gregariis subcutaneo-erumpentibus, globulosis, 200 micr. diam., pertusis; stylosporibus cylindraceo-clavulatis, 25 \approx 3, rectis curvulisve, apice obtusioribus, 5-septatis, non constrictis, olivaceo-fuligineis, basidiis fasciculatis, cylindraceo-nodulosis, polymorphis subhyalinis suffultis. — In ramis corticatis Syringæ (Lb. 727). *Sphaeria occultata* Fr. El. II. 72 potius *Diaporthem resecantem* spectare videtur.

2013. *Hendersonia loricata* Sacc. & Roum. — Peritheciis gregariis innato-erumpentibus, corticulis globulosis, pertusis, $\frac{1}{3}$ – $\frac{1}{2}$ mill. diam.; contextu minute parenchymatico fuligineo; stylosporibus ovoideo-obpyriformibus, 22–28 \approx 15–16, apice rotundatis, 2–3-septatis, non constrictis, fuligineis, initioque guttulatis, basidiis filiformibus, 10–15 \approx 2, hyalinis suffultis. — In ramis corticatis fagineis (B. 602, 201). Probabiliter pycnidium *Massariæ loricatæ* Tul.

2014. *Hendersonia macrosperma* Sacc. & Roum. — Peritheciis subcutaneis vix erumpentibus, globoso-depressis, pertusis, 300–400 micr. diam.; stylosporibus te-

- reti-fusoideis, utrinque obtusiusculis, $85-95 \approx 12-14$, leniter curvis, 6-8-septatis, non constrictis, guttulatis e hyalino viridulis. In foliis graminum (**Lb.** 76).
2015. **Hendersonia dolosa** Sacc. & Roum. — Peritheciis erumpenti-superficialibus, globoso-papillatis, $\frac{1}{2}$ mill. diam., atro-nitidulis; stylosporidis fusoideis, rectis v. curvulis, $60-70 \approx 10$, quinqueseptatis, 6-nucleatis, non constrictis, hyalinis. — In culmis Phragmitis (**Lb.** 90). Habitus *H. vexatae*, sed stylosporæ diversæ.
2016. **Camarosporium Tiliæ** Sacc. & Penz. — Peritheciis gregariis, peridermio pustulatim elevato tectis, globoso-depressis atris, ostiolo obtuso vix erumpente; stylosporidis obovatis, basi acutiusculis, apice rotundatis v. subinæqualibus, $8-10 \approx 6-7$, 2-3-septatis muriformibusque fuligineis.
- Hab.* in ramis corticatis emortuis Tiliæ europææ (**L.** 1470). Affine *Cam. incrustanti* Sacc.
2017. **Camarosporium Robiniæ** (West) Sacc. — In ramis Robiniæ (**Lb.** 356).
2018. **Camarosporium Laburni** Sacc. & Roum. — Peritheciis corticulis, gregariis, globosis, $\frac{1}{4}-\frac{1}{2}$ mill. diam., breve papillatis, nucleo atro; stylosporidis oblongis, utrinque rotundatis, 7-9-septatis, muriformibusque, $30-32 \approx 9-10$, vix constrictis, fuligineis, breve hyalino-stipitatis. — In ramis Cytisi Laburni (**A.** 150). — Pycnidium *Cucurbitariæ Laburni*.
2019. **Dinemasporium strigosum** (Fr.) Sacc. * **leptosporum**: spermatiis fusoideo-curvulis, $14-18 \approx 1\frac{1}{2}$ — utrinque breve setigeris, 4-nucleatis hyalinis. — In culmis graminum (**B.** 81).
2020. **Heteropatella palustris** (Brun.) Sacc. *Heletrosphæria palustris* Brunaud. — In caulibus siccis Euphorbiæ palustris (**B.**; dedit Roumeguère, n. 7). Perithecia globoso-depressa, astoma, dein ample umbilicata, atronitidula, $\frac{1}{2}-\frac{3}{4}$ mill. d., contextu parenchymatico solidiusculo; basidia filiformia fasciculata $20-30 \approx 1$, breve ramulosa; spermatia fusoidea curvula, utrinque acutiuscula, biguttulata, $8-10 \approx 1,5-2$, hyalina.
2021. **Vermicularia orthospora** Sacc. & Roum. — Pe-

ritheciis erumpenti-superficialibus, globoso-conicis, atris, setis cuspidatis ubique vestitis; spermatiis teretiusculis, utrinque subrotundatis, subrectis, $22 \approx 4$, continuis, hyalinis. — In caule Solani tuberosi (**Lb.** 684).

2022. **Vermicularia Schænoprasi** Auersw. — In squamis bulborum Allii (**T.** 6284). Spermatia teretifusoides, leniter curva, $25-28 \approx 3-4$, continua, hyalina, stipitellata. Setae fuliginæ 90-100 \approx 7-8.

2023. **Sacidium chartarum** Sacc. et Penz. — Peritheciis sparsis, superficialibus, dimidiatis, astomis, atro-nitidis, infra mancis, nucleumque albidum ostendentibus, $\frac{1}{4}$ mill. diam.; contextu anhisto; spermatiis globosis v. e mutua pressione anguloso-sphæricis 14-18 μ . diam., intus granulosi, hyalini.

Hab. in charta typographica putrescente uda Lyon (**T.** 5463 et 5474).

2024. **Sacidium Ulmariae** Sacc. & Roum. — Peritheciis gregariis epiphyllis, subsuperficialibus, nigris, scutiformibus, astomis, $\frac{1}{2}$ -1 mill. diam., tunica olivaceo-fusca, anhisto; spermatiis perfecte globosis 4-5 μ . diam., dilutissime roseis, hyalino-nucleatis, intermixtis pedicellis (?) $4 \approx \frac{1}{2}$ hyalinis. In pag. superiore foliorum Spiræe Ulmariae (**Lb.** 310).

2025. **Leptothyrium Libertianum** (Thuem.) Sacc. *Sacidium Libertianum* Thuem Hedw. 1880, p. 190. — In foliis languidis Pruni Padi (**Lb.** 624). Spermatia, quæ vidi, ellipsoidea 7-8 \approx $6\frac{1}{2}$ -7, hyalina, nec $3\frac{1}{2}$ - $4\frac{1}{2}$ diam. ut habet Ill. Thuem; quum contextus adsit, est mihi potius *Leptothyrium* quam *Sacidium*.

2026. **Leptothyrium Castaneæ** (Spr.) — In foliis castaneis.

2027. **Leptothyrium Cytisi** Fuck. — In ramis Cytisi sagittalis (**Lb.** 522). Cellulæ peritheci tortuosæ, fuliginæ; spermatia bacillari-curvula 16-25 \approx $1\frac{1}{2}$ -2, hyalina, basidiis teretibus, 6-8 \approx 2, hyalinis suffulta.

2028. **Placosphæria?** *graminis* Sacc. & Roum. — Stromatibus subcutaneis effusis, maculiformibus, piceis; nucleis parum distinctis; spermatiis cylindraceo-curvulis, utrinque rotundatis, 20-24 \approx 4, hyalinis, denique

2-septatis, vix constrictis, basidiis teretiusculis suffultis. — In foliis graminum (**Lb.** 82). — Habitus *Phyllachoræ*.

2029. *Placosphæria graminis* Sacc. & Roum. ***Agrostidis** Sacc. — Stromatibus oblongis, sæpius hypophyllis applanatis, subinnatis, nigris, nitidulis; spermatiis oblongis, subfusoides, 25–28 \approx 5–6, leniter curvis, 2–3-nucleatis, hyalinis.

Hab. in foliis languidis *Agrostidis*, Rouen (**M.** 221). Forte spermogonium *Phyllachoræ Agrostidis* Fuck.

2030. *Leptostroma Pinorum* Sacc. — Peritheciis subseriatis, elongatis, atro-nitidulis minutis, convexiusculis, hysteroideis; spermatiis cylindricis utrinque obtusiusculis, 8–10 \approx 0,5, rectis, hyalinis; basidiis brevissimis fasciculatis.

Hab. in acubus *Pinorum*, Brionne (**M.** 202). An spermogonium *Aylographi Pinorum* Desm.?

2031. *Leptostroma* (*Leptostromella*) **septorioides** Sacc. & Roum. — Peritheciis amphigenis, parallele gregaris, innato-erumpentibus, oblongis, $\frac{3}{4} \approx \frac{1}{3}$ mill., rimula percursis, atris, carbonaceis; spermatiis bacillaribus leniter curvis, 40–45 \approx $\frac{3}{5}$ –1, hyalinis, continuis, basidiis fasciculatis dimidio brevioribus suffultis. — In foliis aridis graminum (*Festucæ?*) (**Lb.** 73).

2032. *Melasmia punctata* Sacc. & Roum. — Peritheciis deplanatis, atris, subsuperficialibus, minutissime areolato-contextis astomis; spermatiis breve allantoideis 4 l hyalinis, in basidiis teretibus, longiusculis, simplicibus ramulosisque acro-pleurogenis. — In foliis *Aceris pseudoplatani* epiphylla (**Lb.** 4).

2033. *Actinothyrium graminis* K. et S. — In foliis graminum (**Lb.** 45). — Spermatia filiformi-hamata, 50 \approx 1, hyalina.

Melanconicæ.

2034. *Glœosporium intermedium* Sacc. — In radicibus aëreis *Epidendri* in calidariis (**T.** 5641). Ba-

sidia 28-30 \approx 2,5-3. — Var. *brevipes*: basidiis 14-18 \approx 3. In foliis languentibus *Fici elasticæ* in calidariis (T. 5457).

2035. *Glœosporium leptostromoides* Sacc. & Penz. — Acervulis parallelis, linearibus, 1-2 mill. long., atris, dein rimose apertis (hysterioideis); conidiis teretiusculis lenissime curvis utrinque obtusiusculis, 35-40 \approx 1,5-2, pluriguttulatis, hyalinis; basidiis filiformibus breve vage ramulosis.

Hab. in acubus *Pini maritimæ* dejectis (M. 213).

2036. *Glœosporium arvense* Sacc. & Penz. — Acervulis hypophyllis subsparsis v. gregariis, tectis subochraceis, $\frac{1}{4}$ mill. diam.; conidiis oblongis utrinque rotundatis, rectis, 8-9 \approx 3,5-4, 3-guttulatis, hyalinis; basidiis fasciculatis bacillaribus 9-10 \approx 2-3.

Hab. in pag. inf. foliorum languidorum *Veronicæ hederifoliæ*, *Genevæ* *Helvetiæ* (T. 5573).

2037. *Glœosporium conigenum* Sacc. & Roum. — Acervulis subcutaneis, denique rimose parce erumpentibus, intus subolivaceis; conidiis globulosis, 5-6 \approx 4, basi subattenuatis, hyalinis, basidiis teretibus 15 \approx 3-3 $\frac{1}{2}$ apice rotundatis suffultis e basi sporigera cellulosa dilute lutescente oriundis. — In squamis strobilorum *Abietis excelsæ* (Lb. 288, 292).

2038. *Glœosporium Rubi* West. *Tremella foliicola* Fuck. — In pag. sup. foliorum *Ruborum*, socia *Uredine* (Lb. 314). — Conidia 6-7 \approx 2-2 $\frac{1}{2}$ oblonga, basidiis bacillaribus sæpe furcatis, 30-35 \approx 1 suffulta.

2039. *Glœosporium pyrenoides* Sacc. & Malbr. — Acervulis subgregariis, epidermide velatis, nigricantibus, depressis, $\frac{1}{3}$ - $\frac{1}{4}$ mill. diam.; conidiis cylindraceo-curvis, utrinque obtusiusculis, 28 \approx 4, biguttulatis, hyalinis; basidiis fasciculatis brevibus.

Hab. in caule emortuo *Libanotidis montanæ*, Rouen (M. 212). Habitus fere pyrenomycetoideus, unde nomen.

2040. *Coryneum microstictoides* Sacc. & Penz. — Acervulis gregariis, oblongis, 1 mill. long. $\frac{1}{2}$ mill. cr., epidermide demum fissa velatis, atris, vix tumidulis;

conidiis ovato-oblongis, $14 \approx 5-6$, utrinque obtusiusculis, $14 \approx 5-6$, 3-septatis, ad septa vix constrictis, totis fuligineis; basidiis bacillaribus, hyalinis, fasciculatis $18-20 \approx 1,5-2$.

Hab. in caulibus gelu necatis Pæoniarum cultarum Lyon (T. 5510). A *Cor. microsticto* conidiis totis concoloribus præcipue distinguendum.

2041. *Coryneum affine* Sacc. — Acervulis subcutaneo-erumpentibus, globosis v. oblongis, aterrimis, gregariis; conidiis ellipsoideis, utrinque obtusiusculis, $20-22 \approx 7$, triseptatis, ad septa haud v. vix constrictis, fuligineis, loculis extinuis hyalinis; basidiis filiformibus, hyalinis conidium duplum æquantibus.

Hab. in caulibus emortuis Rumicis, Rouen (Mb. n. 197). — Ab affini *C. microsticto* differt conidiis majoribus, utrinque hyalinis, etc.

2042. *Pestalozzia monochæta* Desm. **Libertiana*: conidiis paulo longioribus, nempe $15 \approx 4-5$, triseptatis loculis intermediis fuligineis extimis hyalinis; rostellum $6 \approx \frac{1}{2}$ obliquum. — In ramulis Sambuci (Lb. 40).
2043. *Pestalozzia lignicola* Cooke. — In ligno decorificato putrescente pineo, Le Sapey (Isère). — An vere distinguenda a *P. truncatula* (Corda) Fuck. ? (T. 5856).
2044. *Nemaspora croceola* Sacc. f. *faginea*. — In cortice fagineo emortuo (M. 188). — Acervuli denique in gelatinam succineam erumpentes; conidia allantoidea, curva, $5-6 \approx 0,7-1$, hyalina.
2045. *Myxosporium carneum* (Lib.) Thuem. — In cortice fagineo (Lb. 882, 214).
2046. *Hypodermium sparsum* Link. — In acubus Pini sylvestris (Lb. 866). — Acervuli subcutaneo-erumpentes, pulvinati, atri; conidia ovato-oblonga, $10-20 \approx 6-8$, utrinque obtusiuscula, 4-6-guttulata, hyalina in catenulas sat longas digesta, ex strato proli-gero celluloso, olivaceo-fusco oriunda.
2047. *Melanconium ramulorum* Corda. — In ramis corticatis Carpini (Lb. 535). — *Mel. effusum* Link, quocum nomine traditur etiam a dom. LIBERT, satis convenit.

Hyphomyceteæ.

2048. *Sporotrichum roseum* Link. — In charta putrescente (T. 6261 p. p.).
2049. *Sporotrichum tortuosum* Sacc. & Therr. — Effusum, velutinum, persistens, olivaceo-virens; hyphis assurgentibus constipatis, parce ramosis, 100–150 \approx 3, 5, conspicue flexuosis, dilute olivaceis, continuis, apicem versus pallidioribus et subdenticulatis; conidiis subglobosis, deorsum brevissime et obsolete apiculatis, dilute olivaceis, e ramulorum denticulis oriundis.
Hab. in trunco putri fagineo S.^t Bonnet le froid (Rhône) (T. 6595). — *Sp. chlorino* et *Sp. toruloso* subaffine sed facile distinguendum.
2050. *Sporotrichum scotophilum* Link. — In stercore felino (Lb. 999). — Effusum rubrum; hyphæ repentēs, fertilesque suberectæ, simplices; conidia globosa 5 micr. diam., levia, miniata. — *Sp. merdarium* Link. præter colorem, conidiis fere duplo majoribus utitur.
2051. *Sporotrichum pulviniforme* Thuem. Hedw. 1880, p. 190, *Botrytis densa* Lib. 417. — In foliis putridis fagineis (Lb. 417). — Hyphæ septatæ ramosæ, rami apice sæpius bifidi: conidia oblonga, utrinque obtusiuscula, 2-guttulata, $4\frac{1}{2}$ – $5\frac{1}{2}$ \approx 2– $2\frac{1}{2}$, hyalina. — Descriptio *Botr. densæ* Linkii non obstat.
2052. *Sporotrichum vellereum* Sacc. & Speg. *flavum. — In pennis velloque putri animalium (Lb. 254). — Conidia obovata 7–8 \approx 5, flavida.
2053. *Sepedonium chrysospermum* (Bull.) Fr. — In Boleto lurido putri, Fontainebleau (T. 5992).
2054. *Sepedonium spinosum* Sacc. — Effusum, candidum, hypochnoideum; hyphis repentibus, filiformibus, 2 μ . diam., subinde in fasciculos coalescentibus, nodulosis, ad nodos septulatis, hyalinis hinc inde ramulos fertiles breves, continuos exerentibus; conidiis in ramulorum apice acrogenis, sphaericis, dense aculeatis, hyalinis, 10–12 μ . diam. (cum aculeis); aculeis cuspidatis rectis 4–5 μ . longis.

Hab. ad corticem putrescentem Abietis in Helvetia (MORTHIER n. 5). Habitu et conidiis ad *Hypochnum* seu *Zygodesmum* accedit, sed basidia sterigmatophora propria non gerit.

5055. *Sphacelia typhina* Sacc. **æruginea*. — In *Epichloe typhina*, Fontainebleau (T. 6006). — Basidia e trunco brevissimo furcata 20-25 \approx 3 ramulis apice attenuatis; conidia ovoideo-oblonga, 6-7 \approx 3, hyalina. Tota plantula ærugineo-virens et evolutior illâ quam jam descripsi; an ab ætate?
2056. *Oidium Aceris* Rabb. — In foliis Aceris *Pseudoplatani* (L. 1315^{bis}). — Conidia ellipsoideo-oblonga, 25 \times 10. Ad *Uncinulam bicornem* spectat.
2057. *Gonatobotrys flava* Bon. — In caule putri Onopordi *Acanthii*, Lyon (T. 6234).
2058. *Mastigosporium album* Riess., *Monothecium graminis* Lib. n. 538. — Ad folia viva Airæ cæspitosæ, autumnus. — Cespituli albi in macula fusco-nigricante inserti; conidia fusioidea, magna, 55 \approx 12, sursum acutiora, 3-septata, non constricta, hyalina, apice et circa septum ultimum cilia tria, 40 \approx 1 hyalina gerentia, stipite cylindrico hyalino brevi suffulta. (Lb. 538).
2059. *Geotrichum cinnamomeum* (Lib.) Sacc., *Trichothecium cinnamomeum* Lib. n. 1013. — Effusum, maculiforme, subvelutinum, cinnamomeum hyphis repentibus, remote septatis parce ramosis filiformibus, 3 $\frac{1}{2}$ -4 micr. d., conidiis concatenatis subcuboideis, 3-5 \approx 4, 4-guttulatis e sporophoris brevibus oriundis. — In fragmentis ligneis, foliis etc. (Lb. 1013).
2060. *Botrytis lutescens* Sacc. & Roum. — Effusa, breve velutina, luteola; hyphis vage ramosis repentibus, fertilibus assurgentibus, 150 \approx 3, parce septatis lutescentibus, simplicibus furcatisve; conidiis secus apicem minute denticulatum insertis, ovato-globosis, 3 \approx 2-2 $\frac{1}{4}$, 1-guttulatis hyalinis. — In foliis emortuis Fagi sylvaticæ (Lb. 182). — An huc spectat *Botr. flavicans* Link.?
2061. *Botrytis griseola* Sacc. — In corticibus emortuis (T. 5191).

2062. *Verticillium compactiusculum* Sacc. — In ramulis putridis Buxi, Pini etc. Eybens (Isère), Ecully (T. 6662, 5763).
2063. *Verticillium Candelabrum* Bon. — In ligno pineo putri Fontainebleau (T. 5946) *minus. In ramis Genistæ (Lb. 180). Conidia ovoideo-oblonga, 5-6 \approx 3, hyalina.
2064. *Verticillium candidulum* Sacc. *Solani: hyphis 100-150 \approx 3,5-4,5, hyalinis. In tubere putri Solani (L. 1656 p. p.).
2065. *Verticillium lateritium* (Ehrh.) Rabh. — In semine Castaneæ putri (T. 5470); in ramis Vitis (L. 1464). — Hyphæ eleganter et pluries verticillato-ramosæ; ramuli terni-quaterni, apice acuti; conidia ellipsoideo-oblonga, utrinque rotundata, 5-6 \approx 2,5-3; hyphæ et conidia pellucido-lateritia.
2066. *Polyscytalum sericeum* Sacc. — In glandibus quercinis et foliis fagineis putrescentibus (L. 1550, 1581^{bis}). Conidia subinde solito paulo longiora, nempe 20 \approx 2.
2067. *Cylindrium flavo-virens* (Ditm.) Bon. — In foliis dejectis quercinis (T. 4084). Conidia tereti-fusoides, subinde curvula, utrinque obtusiuscula (nec truncata), 14-15 \approx 3, e hyalino flavidula; basidia cæspitulosas, bacillarias 14-18 \approx 2.
2068. *Oospora rhodella* Sacc. *truncatula: acervulis amoene roseis, effusis (dein expallentibus); conidiis subfusoides, utrinque truncatulis, 6-7 \approx 1-1,5, obsolete biguttulatis; hyphis tenuissimis parce ramulosis. — In culmis udis (M. 230). — Ad *Cylindrium carneolum* Sacc. vergit.
2069. *Oospora sulfurea* Sacc. & Roum. — Effusa, velutina, pallide sulfurea; hyphis sterilibus repentibus, fertilibus brevissimis erectis conidia ellipsoidea. 3-4 \approx 2, catenulata, flava gerentibus. — In corticibus putridis (Lb. 110).
2070. *Ramularia Geranii* Fuck. — In pag. infer. foliorum Geranii dissecti (L. 1548).

2071. **Ramularia Galegæ** Sacc. — In foliis Galegæ officinalis (L. 1345. 1355).

2072. **Ramularia Leonuri** Sacc. & Penz. — Hypophylla, caespitulosæ, albida (ob foliorum villum vix conspicienda); hyphis teretiusculis, breviusculis, hyalinis; conidiis initio oblongis, dein cylindræis, utrinque obtusiusculis, 20–30 \approx 4–5, subinde obsolete 1-septatis, hyalinis.

Hab. in pag. infer. foliorum Leonuri Cardiacæ (L. 1646).

2073. **Monilia aurea** Gm. (*Mon. hesperidica* Sacc.). — In ligno et cortice putrescente Cerasi, Mali, Fraxini, Ecully, S.^t Bonnet le froid (T. 6487. 6585. 6625).

2074. **Monilia fructigena** Pers. — In epicarpio Mali (Lb. 284).

2075. **Mycogone cervina** Ditm. *castanicola: conidiis 30 \approx 18, loculo infero paulo minore et sublevi, denique utroque verruculoso, subochraceo. — In seminibus putrescentibus Castaneæ (T. 5469).

2076. **Menispora ciliata** Corda. — In ligno putrescente Castaneæ, S.^t Bonnet le froid (Rhône) (T. 6489).

2077. **Ovularia Doronici** Sacc. — Hyphophylla, subeffusa, albida; hyphis subfasciculatis teretibus, 30–40 \approx 3, continuis, hyalinis, sursum breve ramulosis, vel denticulatis; conidiis oblongis vel subfusoides, subinde catenulatis, utrinque acutiusculis 12–15 \approx 4–5, hyalinis.

Hab. in pag. infer. foliorum Doronici Pardaliches Echirolles (T. 5769), Le Havre (M. 210).

2078. **Ovularia Veronicæ** (Fuck.) Sacc. — In pag. inf. foliorum Veronicæ montanæ, Le Sapey (Isère) (T. 5831).

MALBRANCHEA Sacc. — Hyphæ repentes, intricatæ, continuæ, hyalinæ vel læte coloratæ, hinc inde in ramulos arcuatos abeuntes; ramuli seriatim plurinucleati, dein ex apice (more Sporoschismatis) conidia cuboidea vel teretiuscula, continua, hyalina vel læte colorata exerentes. — Genus Oosporis quibusdam subaffine, sed ramulis arcuatis, conidiis initio endogenis &c. optime

distinctum. In honorem præclari lichenologi et mycologi A. MALBRANCHE, rothomagensis, jure meritoque dictum.

2079. *Malbranchea pulchella* Sacc. & Penz. — Effusa, densiuscula, subpannosa, sulphurea; hyphis sterilibus varie ramulosis, repentibus, angustissimis, continuis, 0,5–0,7 μ . cr.; ramulis fertilibus in semicirculum curvis, 20–25 \approx 2, plurinucleatis; conidiis oblongo-cylindræis utrinque subtruncatis, 3 \approx 2,5, e flavido hyalinis, ex apice ramulorum continuo exsistentibus.

Hab. in charta crassiore (*carton*) humida (M. 211).

2080. *Arthrobotrys superba* Corda. — In charta vel quisquiliis putridis (T. 5725). — Conidia inæqualiter didyma, hyalina, basi apiculata, 51–26 \approx 12–15.

2081. *Septocylindrium virens* Sacc. — In caule putrescente *Onopordi* (T. 6236). — Hyphæ sporophoræ breves filiformes, continuæ, simplices vel furcatae, 36 \approx 2,5; conidia, 14–18 \approx 3, tenuiter 3-septata, non constricta.

2082. *Septocylindrium aromaticum* Sacc. — Maculis deustis, amphigenis, oblongis, majusculis; caespitulis exiguis albidis; hyphis non visis vel sporomorphis; conidiis bacillaribus, catenulatis, utrinque acutiusculis, 35 \approx 50–2, subinde denticulo sporophoro auctis, denique tenuiter 2–3-septatis, non constrictis, hyalinis.

Hab. in foliis languidis *Acori Calami*, Lyon (T. 6255).

2083. *Trichosporium geochroum* (Desm.) Sacc. — In ligno putri quercino Ruoms (Ardèche) (T. 5548). — Conidia 5–6 \approx 2–3, ochraceo-fusca.

2084. *Trichosporium Cerealis* (Thüm.) Sacc., *Sporotrichum Cerealis* Thüm. Hedw. 1880, p. 196. — In foliis culmisque *Secalis* (Lb. 881. 996). — Conidia globulosa, 3–4 micr. diam. olivaceo-fusca, guttula hyalina foeta; hyphæ parce ramosæ, 1½–2 diam., septulatae, fuscae.

2085. *Trichosporium olivatum* Sacc. — In charta et tela putridis (Lb. 244. 246). — Est forma obscurius colorata at non diversa.

2086. *Trichosporium fuscum* (Link.) — In corticibus (Lb. 506^{bis}). — Conidia propria non vidi.
2087. *Trichosporium crispulum* Sacc. & Malbr. — Cæspitulis maculiformibus adpresse velutinis, olivaceo-fuligineis; hyphis fertilibus fasciculatis crebre flexuosis, simplicibus vel furcatis, parceque ramulosis, 100-150 \times 4, septulatis fuligineis; conidiis obovoideis 5-6 \approx 4, concoloribus, secus apices ramulorum digestis. — In ramis putridis Rosarum (Lb. 998). — Habui quoque a cl. Malbranche in Vaccinii Myrtilli caule (Brionne).
2088. *Chætopsis grisea* (Ehrh.) Sacc., *Chætopsis Wau-chii* Grev. — In cortice putri Carpini Betuli, Lyon (T. 5657).
2089. *Dicoccum minutissimum* Corda. — Ad ligna denudata (Lb. 462). — Conidia obovoidea, 8-10 \times 6, 1-septata, non constricta, atrofuliginea hyphulis repentibus septatis concoloribus per basidia brevia adnata.
2090. *Gonatosporium puccinioides* (K. & S.) Link. — In foliis emortuis Caricis strictæ, Le Sapey (Isère) (T. 5800). — Conidia globoso-angulosa, fusca, 10-14 μ . diam.
2091. *Stachybotrys papyrogena* Sacc. — In charta putrescente (T. 6647).
2092. *Stachybotrys alternans* Bon. — In charta picta uda (M. 181).
2093. *Hadrotrichum virescens* Sacc. & Roum. — Cæspitulis gregariis punctiformibus, in maculis oblongis brunneis; conidiis globosis 12 micr. diam. olivaceo-fuligineis, levibus, basidiis teretibus, 30 \approx 10 sub-continuis fasciculatis, apice rotundatis e strato proligero cellulari oriundis suffultis. — In foliis graminum (Lb. 706^{bis}).
2094. *Hadrotrichum microsporum* Sacc. & Malbr. — Cæspitulis oblongis, linearibusque nigris, plerumque hypophyllis, compactis; conidiis globosis, 4-5 μ . diam. fuligineis; basidiis fasciculatis, subfusoides, truncatis 12-18 \approx 3-5, æque fuligineis.
- Hab.* in foliis languidis Agrostidis (M. 236). — Status conidicus *Phyllachoræ*.

2095. *Torula Rhododendri* K. — In foliis *Rhododendri ferruginei*, Chanrousse (Isère) (T. 6180).
2096. *Torula antennata* Pers. — In disco trunci emortui *Vitis viniferae*, S.^t Laurent d'Agny (Rhône). — Conidia teretiuscula, utrinque rotundata, 2-3-guttulata, ochracea, 10-14 \approx 8-4.
2097. *Closterosporium strepsiceras* (Ces.) Sacc. — In cortice putri duriore (T. sine n.). — Conidia tereti-attenuata, basi incurvo-connexa, vel, si velis, ferri equini ad instar curva, ergo ut *Hirudinaria*, brachia 115-150 \approx 10-12 rufo-fuliginea, sursum pallidiora, 10-12-articulata, articuli subcuboidei, nucleata. Species distincta, forte in genus proprium (*Strepsiceras*) sepouenda.
2098. *Tripodosporium elegans* Corda. — In ligno putri Celtidis, Ecully (Rhône) (T. 6491).
2099. *Sporodesmium trigonellum* Sacc. — Gregarium punctiforme, atrum; conidiis sub-trigonis, apice truncatis, deorsum subacuminatis, angulis breve hyalino-apiculatis, 3-4-septatis, crebre varieque muriformibus, ad septa non constrictis cinereo-fuligineis, 18-20 \approx 12-15, stipite brevi 6-8 \approx 2 tereti hyalino suffultis. — In cortice *Ailanthi* (Lb. 432). — Pluries quoque singularem speciem legi in corticibus in agro veneto.
2100. *Helminthosporium Genistae* Fr. — In ramis *Sarothamni* (Lb. 853). — Hyphae fasciculatae, septatae, filiformes, 280 \approx 10; conidia clavata, 45-50 \approx 15, deorsum attenuata, 5-septata, non constricta, olivaceo-fuliginea.
2101. *Helminthosporium biseptatum* Sacc. & Roum. — Cespitulis minutis, nigris; hyphis fasciculatis, filiformibus, 300 \approx 10, septatis, subrectis, apice rotundatis, intense fuligineis; conidiis ellipsoideis, 25-30 \approx 15, utrinque rotundatis, biseptatis, 3-guttatis, non constrictis, olivaceo-fuligineis, levibus. — In caulibus putridis (Lb. 58).
2102. *Helminthosporium velutinum* Link., Grev. Scott. tab. 148, fig. 2! — In ligno putri fagineo ubi strata velutina nigricantia sistit (Lb. 854). — Hyphae filifor-

mes 200-250 \approx 6-7, septatae, atrofuliginæ; conidia ovato-obpyriformia, 25-30 \approx 11-13, 3-septata, fuliginea, 3-guttata, loculo infimo acutiore hyalino. — Ad hanc speciem ill. Libert & Thuemen ducunt *H. nanum* Link, quod differt hyphis brevissimis, conidiis 4-5-septatis, etc.

2103. *Dendryphium curtum* B. & Br. — Ad caules *Urticæ* emortuos in Helvetia (MORTIER, n. 12).

2104. *Passalora depressa* (B. & Br.) Sacc. — In pag. infer. foliorum *Angelicæ sylvestris*, socia *Pero-nospora nivea* (M., 242).

2105. *Cercospora Epilobii* Sch. Thuem. Exs. — Cæspitulis punctiformibus, gregariis, subolivaceis; hyphis fasciculatis teretibus, 50-70 \approx 5, leviter tortuoso-denticulatis, olivaceis, sursum subhyalinis, guttulatis, spurieque septulatis; conidiis cylindræis, 40-50 \approx 5-5,5, 2-3-septatis, non constrictis, guttulatis, hyalinis.

Hab. in foliis *Epilobii montani* languidis, Le Sapey (Isère) (T. 5833).

2106. *Cercospora unicolor* Sacc. & Penz. — Hypophylla, subeffusa, olivaceo-virens; maculis subnullis; hyphis fasciculatis, filiformibus, flexuosis, longeque ramosis, 100-120 \approx 4-5, subcontinuis olivascentibus; conidiis bacillari-fusoideis, utrinque obtusiusculis, leniter curvulis, 72-100 \approx 4-5, 3-5-septulatis, guttulatisque, dilute olivaceis.

Hab. in pag. inf. foliorum languidorum *Lauri* nobilis in hortis Grenoble (Isère) (T. 6187). — Hyphis longe ramosis, conidiis hyphisque unicoloribus mox dignoscenda species.

2107. *Coniothecium betulinum* Corda. — In cortice *Betulæ* (Lb. 122 e. p. 121, 117?).

2108. *Coniothecium helicoideum* Sacc. & Roum. — Punctiforme gregarium vel confluens, nigricans; conidiis polymorphis sed plerumque in corpus sphaericum vel hemisphaericum convolutis 10-11 \approx 5, sæpe inter se conglutinatis, varie septatis, fuligineis. — In foliis culmisque graminum (Lb. 64).

2109. *Coniothecium quercinum* Sacc. — In pag. sup. foliorum *Quercus* (L. 1459).
2110. *Heterosporium Dianthi* Sacc. & Roum. — Cespitulis gregariis in maculis fuscis insidentibus; hyphis fasciculatis ex basi stromatica cellulosa ortis 150–200 \approx 8, sursum flexuoso-nodulosis, fuligineis; conidiis cylindraceo-oblongis utrinque rotundatis, biseptatis, 40 \approx 15, breviter constrictis, asperulis, fuligineis. — In foliis *Dianthi barbati* (Lb. 686).
2111. *Macrosporium heteronemum* Desm. — In charta gypsea putri (T. 5550).
2112. *Myrothecium Lachastræ* Sacc. — Sporodochiis applanatis circulari-sinuosis, $\frac{1}{2}$ – $\frac{3}{4}$ mill. lat., nigricantibus, amœne albo-marginatis; conidiis bacillaribus, utrinque, præcipue basi, obtusiusculis, 21–23 \approx 2–2,5, hyalino-olivascensibus; basidiis cylindraceis brevibus concoloribus.
- Hab.* in foliis putridis *Fagi* (L. 1581). — Conidiis longis mox dignoscitur hæc species, beatæ Dominæ DE LACASTRE dicata.
2113. *Colletotrichum Volutella* Sacc. & Malbr. — Sporodochio innato-erumpente, plano-convexiusculo, oblongo, $1\frac{1}{2}$ mill. long. $\frac{3}{4}$ lat., disco griseo, setulis cuspidatis 300 \approx 5–6, fuligineis, rectis septatis, basi incrassatis cineto; conidiis cylindraceo-fusoideis 14–18 \approx 2,5–3,5, curvulis, 2–4-guttatis, hyalinis; basidiis obsoletis.
- Hab.* in caule emortuo *Ulmariæ*, Parc de Quevilly (M. 243). — Conidia subinde appendicula (basidio?) brevissima, labili aucta.
2114. *Colletotrichum Lineola* Corda. — In foliis graminum (Lb. 48).
2115. *Chætostroma atrum* Sacc. — In foliis graminum (Lb. 47, 60).
2116. *Sporocybe rhopaloides* Sacc. & Roum. — Laxe gregaria, setuliformis, atra; stipitibus e basi incrassata tereti-clavatis, 300 \approx 40, ex hyphis filiformibus fuligineis constantibus, sursum conidiophoris; conidiis ovato-clavatis, 8 \approx $3\frac{1}{2}$, olivaceis ex apice subhyalino hypharum oriundis. — In foliis *Cynosuri* (Lb. 66).

2117. *Graphiothecium phyllogenum* (Desm.) Sacc. — In foliis *Fragariae* (Lb. 192).
2118. *Tubercularia Volutella* Corda. — In ramulis *Spiraeae* (Lb. 1021). — Conidia minuta allantoidea, $6 \approx 2$, hyalina in basidiis saepe furcatis, $25-30 \approx 1\frac{1}{2}$, denticulatisque acro-pleurogena.
2119. *Tubercularia sarmentorum* Fr. **Bignoniæ* — In cortice *Bignoniæ* cultæ in hortis Toulouse (ROUMEGUERE. n. 3). Spermatia allantoidea, hyalina, $7-8 \approx 2-2.5$.
2120. *Tubercularia Brassicæ* Lib. n. 1019. — Sporodochiis subsuperficialibus, verruciformibus, minutis, rubris, levibus; conidiis cylindraceis, levissime curvis, $8-10 \approx 1\frac{1}{2}$, hyalinis, in basidiis simplicibus furcatisve denticulatis pleurogenis. — In caule putri *Brassicæ* (Lb. 1019).
2121. *Tuberculina vinosa* Sacc. — Ad folia *Pyri* communis in *Ræstelia* juvenili (T. n. 6395).
2122. *Fusarium pallens* Nees. — In cortice *Populi* (Lb. 1030, 1029, 229).
2123. *Fusarium herbarum* (Corda) Fr. — In caule *Brassicæ* (Lb. 632). — Conidia falciformia $36-40 \approx 4$, utrinque acuta, 4-5-septata, basidiis obclavatis $20-25 \approx 3-4$ suffulta. *Selenosporium Brassicæ* Thuem. Hedw. 1880, p. 191 seu *Sclerotium castaneum* Lib. n. 611 videtur forma junior, indurata speciei præsentis.
2124. *Volutella Buxi* (Corda) Berk. f. *Rusci*: sporodochiis parcius ciliatis; conidiis 2-(raro 3-)nucleatis, $9-10 \approx 3.5-4$, hyalinis; basidiis conidio paulo longioribus. — In cladodiis *Rusci* aculeati (M. 250).
2125. *Volutella gilva* (Pers.) Sacc. f. *rosea*: sporodochio roseo. — In caulibus *Gentianæ luteæ*, Le Sapey (Isère) (T. 5815).
2126. *Dendrodochium microsporum* Sacc. — Acerulis pulvinatis, minutis, superficialibus, $\frac{1}{6}$ mill. diam. flavo-roseis, dein fusciscentibus, compactis; conidiis globulosis, perexiguis, $1-1.5 \mu$. diam. hyalinis; basidiis 2-3-furcatis, $25-30 \approx 1$, coacervatis luteolis, ramulis sursum attenuatis.

Hab. in parte interiore corticis (Tiliæ?), in Nor-
mandia (M. 182).

2127. *Dendrodochium rubellum* Sacc. * *Ricini*: conidiis paulo angustioribus et leniter curvis, 7-9 \approx 2,5-3; basidiis conidio quadruplo longioribus varie furcatis. — In caule putri *Ricini* (L. 1453). * *Brassicæ*. — In caule *Brassicæ* (Lb. 634). Basidia elongata, sursum sæpius bifida; conidia 6 \approx 3, ovoidea e roseo hyalina.

2128. *Dendrodochium subaffine* Sacc. & Penz. — Acervulis subsuperficialibus, sparsis, pulvinatis, compactiusculis, levibus, rubellis, dein fuscidulis, $\frac{1}{3}$ - $\frac{1}{2}$ mill. diam.; conidiis filiformibus 100-140 \approx 2-2,5, sursum furcatis, continuis, hyalinis; conidiis oblongis, utrinque rotundatis, rectis, 6 \approx 2,5, hyalinis.

Hab. in ramis corticatis *Sambuci nigræ*, Elbeuf (M. 214). — A *D. affini* Sacc. recedit basidiis multo longioribus.

2129. *Dendrodochium affine* Sacc. — In cortice *Pini sylvestris* (Lb. 170).

2130. *Dendrodochium albo-cinereum* Sacc. & Malbr. — Acervulis pulvinatis, molliusculis, $\frac{1}{2}$ mill. diam., superficialibus, albidis, dein cinereo-nigrescentibus; conidiis oblongo-ellipsoideis, 7-8 \approx 3,5-4, subhyalinis, rectis; basidiis sursum bi-trifurcatis, obsolete septatis, conidio triplo-quadruplo longioribus, subhyalinis.

Hab. ad radices *Rumicum* putrescentes (M. 196).

2131. *Cylindrocolla succinea* Sacc. & Penz. — Acervulis gregariis vel subsparsis, superficialibus, pulvinato-applanatis, $\frac{1}{2}$ -1 mill. diam., succineo-flavis, subdiaphanis; basidiis subsimplicibus prælongis, dense fasciculatis, articulatis, apice in conidia (articulos) bacillaria, utrinque truncata, 4-7 \approx 1-1,5, hyalina abeuntibus.

Hab. in parte interiore caulium (*Spirææ*?) putrescentium (M. 280). — *Tuberculina persicina* (Ditm.) Sacc. In foliis *Sedi reflexi* in soris *Endophylli Sedi*, S.^t Vallier (Drôme) (T. 5632).

2132. *Sphæridium candidum* Sacc. & Roum. — Sporodochiis globulosis, gregariis, candidis; hyphis fasci-

- culatis subramosis mox in conidia bacillaria, utrinque truncata $10-15 \approx 1\frac{1}{2}-2\frac{1}{4}$ hyalina nubilosa abeuntibus. — In squamis strobilorum *Abietis* (**Lb.** 289, 401). — Huic forte affinis est *Egerita cylindrospora* Corda lc. I, fig. 295, quæ tamen a genere *Egerita* abhorret.
2133. **Sphæridium** (*Cylindrocolla*) **album** Sacc. & Rôum. — Sporodochiis verruciformibus, variis, depressis albis; hyphis fasciculatis, $40-50 \approx 1$, repetite dichotome ramosis, in conidia cylindrica utrinque truncata, $4-5 \approx 1$, hyalina diu catenulata abeuntibus. — In foliis graminum (**Lb.** 299 p. p.).
2134. **Illosporium carneum** Fr. — In thallo *Peltigeræ* (**Lb.** 418). — Conidia ovoidea curvula, in glomerulos 20-24 micr. diam. congesta, hyalino-rosea.
2135. **Ciliciopodium tubercularioides** (Lib.) Sacc. *Fungi ital.* 755. — In cortice *Ulm*i (**Lb.** 470).

Mycelia sterilia.

2136. **Asteroma vagans** Desm. f. *Carpini*. — In ejusdem foliis (**L.** 1527). — f. *Opuli*. — In foliis *Viburni Opuli* (**Lb.** 404).
2136. **Asteroma Juncaginearum** Rob. — In caule *Triglochin palustris*, Seine inferieure (**M.**)
2137. **Asteroma Capreæ** Desm. — In foliis *Salicis Capreæ* (**Lb.** 335).
2138. **Asteroma obscurum** Desm. — In foliis *Corni sanguineæ* (**Lb.** 405).
2139. **Sclerotium Punctum** Lib. — In foliis *Convallariæ verticillatæ* (**Lb.** 447).
2140. **Sclerotium Pustula** (DC.) — In foliis *quercinis* (**Lb.** 34, 38, Therry 629).
2142. **Sclerotium fulvum** Fr. — In foliis *graminum* (**Lb.** 614).
2143. **Sclerotium Iridis** Thüm. Hedw. 1880, p. 191. — In foliis et caule *Iridis germanicæ* (**Lb.** 629).
2144. **Sclerotium floccipendulum** Fr. — In acubus *Pinorum dejectis* (**Lb.** 613).

2145. *Sclerotium complanatum* Fr. — In foliis Fraxini (**Lb.** 612).
 2146. *Sclerotium udum* Fr. — In foliis graminum (**Lb.** 626).
 2147. *Sclerotium strobilinum* Schm. — In strobilis Abietis (**Lb.** 625) *majus: subirregulare. — Ibidem (**Lb.** 282).

Pseudo-mycetes.

2148. *Erineum alneum* Pers. — In foliis Alni glutinosæ (**Lb.** 501).
 2149. *Erineum clandestinum* Grev. — In foliis Cratægi Oxyacanthæ (**Lb.** 8).
 2150. *Pseudoprotomyces Mali* S. & R. — Acervulis tumidis tectis, intus albidis; pseudosporis (cellulis?) farinaceis ellipsoideis, inæqualibus, 20-25 \approx 20, albido-flavidis. — In cortice Pyri Mali (**Lb.** 218).
 2151. *Pseudoprotomyces Betulæ* S. & R. — Acervulis majusculis pulvinatis, peridermio fulvo tectis intus flavidis; pseudosporis (cellulis?) ovoideis obtuseque angulosis 30-40 \approx 20, minute asperulis pallide flavis. — In cortice trunci Betulæ albæ (**Lb.** 219).
 2152. *Pseudoprotomyces Padi* S. et R. — Acervulis mediocribus, pulvinatis, peridermio lutescente velatis intus ochraceis dein erumpentibus; pseudo-sporis (cellulis?) ellipsoideo-oblongis, truncatisve 20-22 \approx 16-18, lutescentibus, levibus. — In cortice Pruni Padi (**Lb.** 220 p. p.).

ADDENDA

GRANULARIA Willd. emend. Sporodochia (peridia?) globulosa, læticoloria, molliuscula, ex hyphis sporophorisque arete radiatim stipatis, hyalinis, filiformibus composita; sporæ (conidia?) ovoideæ, continuæ, hyalinæ in ramulis acrogenæ. — Genus hinc Gasteromycetibus, illic Hyphomycetibus cognatum, sed postremis affinis.

2153. *Granularia eurotioides* Sacc. & Ell. — Sporodochiis globulosis adnato-superficialibus, $\frac{1}{2}$ – $\frac{3}{4}$ mill. diam., pallide flavis, glabris, carnosulis; hyphis denso stipatis filiformibus, varie ramulosis, continuis, hyalinis, 0,5 μ . cr.; conidiis in ramulorum apice insertis, ovoideis, 3,5–4 \times 2,5, hyalinis.

Hab. in superficie interiore *Pachymatis Cocos* diffracti, udi, Newfield N. J. (ELLIS, n. 3687). — Sporodochii superficies ex hyphis filiformibus arcte stipatis compacta; nucleus faretus æque ex hyphis conidiisque constans.

2154. *Diorchidium leve* Sacc. & Bizz. — Acervulis sparsis gregariisve, amphigenis, epidermide dein fissa velatis, atro-cinnamomeis, exiguis, fere punctiformibus, $\frac{1}{4}$ mill. diam.; teleutosporis transverse ellipsoideis, apice truncato-emarginatis, longitudinaliter 1-septatis, tunica superne crassiore, cinnamomeis, levibus, 30–36 \times 22–25, stipite filiformi, hyalino, e septi basi oriente, 100–120 \times 6.

Hab. in foliis languidis *Manisuris granularis* (e Graminaceis) in Brasilia. Observavit J. BIZZOZERO in Herbario Horti Patavini. A *Diorchidio Woodi* K. et C. (= *Triphragmio binato* Berk.?) præcipue teleutosporis levissimis nec asperis, recedit.

